# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>GENERAL INFORMATION</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Calendar</td>
<td>4-5</td>
</tr>
<tr>
<td>Scheduling Instructions and Timetable</td>
<td>6-7</td>
</tr>
<tr>
<td>Advisor System</td>
<td>8</td>
</tr>
<tr>
<td>Clinical Curriculum Advisors</td>
<td>9-14</td>
</tr>
<tr>
<td>Residency Career Advisors</td>
<td>14-17</td>
</tr>
<tr>
<td>Electives</td>
<td>18</td>
</tr>
<tr>
<td>Electives Lists</td>
<td>18-22</td>
</tr>
<tr>
<td>The Elective Program</td>
<td>23</td>
</tr>
<tr>
<td>Drop/Add Procedures</td>
<td>23</td>
</tr>
<tr>
<td>Off-Campus Electives</td>
<td>24-27</td>
</tr>
<tr>
<td>Off-Campus Elective Request Form</td>
<td>28</td>
</tr>
<tr>
<td>Graduation Requirements</td>
<td>29</td>
</tr>
<tr>
<td>Procedural Skills</td>
<td>30</td>
</tr>
<tr>
<td>Time Off Clinical Services</td>
<td>30</td>
</tr>
<tr>
<td>Residency Interviews</td>
<td>30</td>
</tr>
<tr>
<td>Information for Visiting Students</td>
<td>31</td>
</tr>
</tbody>
</table>

## ELECTIVE DESCRIPTIONS

**M-ID-710 ICE Senior Seminars (required course)** 33
- Anesthesiology 34-35
- Emergency Medicine 36-37
- Family Medicine 38-45
- Internal Medicine 46-61
- Neurological Sciences 62-63
- Neurosurgery – See Surgery
- Obstetrics and Gynecology 64-66
- Ophthalmology and Visual Sciences 67-68
- Orthopaedic Surgery and Rehabilitation 69-70
- Otolaryngology/Head and Neck Surgery 71-72
- Pathology and Microbiology 73-74
- Pediatrics 75-83
- Psychiatry 84-86
- Radiology 87-88
- Radiation Therapy 89
- Surgery 90-96
- Urology – See Surgery
- Sample Worksheet 97
# University of Nebraska College of Medicine

## 2017-2018 Academic Year

### SEMESTERS

<table>
<thead>
<tr>
<th>Semester</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Semester (M1-M2)</td>
<td>August 21, 2017 – December 15, 2017</td>
</tr>
<tr>
<td>First Semester (M3-M4)</td>
<td>July 3, 2017 – December 15, 2017</td>
</tr>
<tr>
<td>Second Semester (M1)</td>
<td>January 2, 2018 – May 25, 2018</td>
</tr>
<tr>
<td>Second Semester (M2)</td>
<td>January 8, 2018 – May 4, 2018</td>
</tr>
<tr>
<td>Second Semester (M3)</td>
<td>January 2, 2018 – June 22, 2018</td>
</tr>
<tr>
<td>Second Semester (M4)</td>
<td>January 2, 2018 – April 27, 2018</td>
</tr>
</tbody>
</table>

### SENIOR ELECTIVE PERIODS

<table>
<thead>
<tr>
<th>Period</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 2017</td>
<td>July 31, 2017 – August 27, 2017</td>
</tr>
<tr>
<td>September 2017</td>
<td>August 28, 2017 – September 24, 2017</td>
</tr>
<tr>
<td>October 2017</td>
<td>September 25, 2017 – October 22, 2017</td>
</tr>
<tr>
<td>November 2017</td>
<td>October 23, 2017 – November 19, 2017</td>
</tr>
<tr>
<td>December 2017</td>
<td>November 20, 2017 – December 15, 2017</td>
</tr>
<tr>
<td>January 2018</td>
<td>January 2, 2018 – January 28, 2018</td>
</tr>
<tr>
<td>February 2018</td>
<td>January 29, 2018 – February 25, 2018</td>
</tr>
<tr>
<td>March 2018</td>
<td>February 26, 2018 – March 23, 2018</td>
</tr>
<tr>
<td>April 2018</td>
<td>April 2, 2018 – April 29, 2018</td>
</tr>
<tr>
<td>Commencement</td>
<td>May 5, 2018 (Saturday)</td>
</tr>
</tbody>
</table>

### RECESSES AND HOLIDAYS

<table>
<thead>
<tr>
<th>Holiday</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Independence Day</td>
<td>July 4, 2017 (Tuesday)</td>
</tr>
<tr>
<td>Labor Day</td>
<td>September 4, 2017 (Monday)</td>
</tr>
<tr>
<td>Thanksgiving (M1-M4)</td>
<td>November 23, 2017 – November 24, 2017</td>
</tr>
<tr>
<td>Winter Recess (M1)</td>
<td>December 16, 2017 – January 1, 2018</td>
</tr>
<tr>
<td>Winter Recess (M2)</td>
<td>December 16, 2017 – January 7, 2018</td>
</tr>
<tr>
<td>Winter Recess (M3-M4)</td>
<td>December 16, 2017 – January 1, 2018</td>
</tr>
<tr>
<td>New Year’s Day (Holiday)</td>
<td>January 1, 2018 (Monday)</td>
</tr>
<tr>
<td>Martin Luther King, Jr.</td>
<td>January 15, 2018 (Monday)</td>
</tr>
<tr>
<td>Spring Recess (M1)</td>
<td>March 3, 2018 – March 11, 2018</td>
</tr>
<tr>
<td>Spring Recess (M2)</td>
<td>March 17, 2018 – March 25, 2018</td>
</tr>
<tr>
<td>Spring Recess (M3-M4)</td>
<td>March 24, 2018 – April 1, 2018</td>
</tr>
<tr>
<td>Memorial Day</td>
<td>May 28, 2018 (Monday)</td>
</tr>
<tr>
<td>Summer Recess (M3)</td>
<td>June 23, 2018 – July 1, 2018</td>
</tr>
</tbody>
</table>

### SPECIAL EVENTS

<table>
<thead>
<tr>
<th>Event</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>J-Term (Class of 2019 requirement)</td>
<td>June 26, 2017 – June 30, 2017</td>
</tr>
<tr>
<td>First Year Orientation</td>
<td>August 14, 2017 – August 18, 2017</td>
</tr>
<tr>
<td>White Coat Ceremony (M1)</td>
<td>August 18, 2017 (Friday)</td>
</tr>
<tr>
<td>FIRST DAY OF CLASS (M1-M2)</td>
<td>August 21, 2017 (Monday)</td>
</tr>
<tr>
<td>Honors Convocation (M4)</td>
<td>May 4, 2018 (Friday)</td>
</tr>
</tbody>
</table>
### Commencement (M4)
May 5, 2018 (Saturday)

### CORE EXAMS (M1-M2)
T.B.A. (Announced by OME)

## CLASS OF 2018 – JUNIOR YEAR ROTATION SCHEDULE

<table>
<thead>
<tr>
<th>Period Number</th>
<th>Dates of Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Independence Day *</td>
<td>July 4, 2017 (Tuesday)</td>
</tr>
<tr>
<td>Period 01</td>
<td>July 3, 2017 – July 16, 2017</td>
</tr>
<tr>
<td>Period 02</td>
<td>July 17, 2017 – July 30, 2017</td>
</tr>
<tr>
<td>Period 03</td>
<td>July 31, 2017 – August 13, 2017</td>
</tr>
<tr>
<td>Period 04</td>
<td>August 14, 2017 – August 27, 2017</td>
</tr>
<tr>
<td>Labor Day *</td>
<td>September 4, 2017 (Monday)</td>
</tr>
<tr>
<td>Period 05</td>
<td>August 28, 2017 – September 10, 2017</td>
</tr>
<tr>
<td>Period 06</td>
<td>September 11, 2017 – September 24, 2017</td>
</tr>
<tr>
<td>Period 07</td>
<td>September 25, 2017 – October 8, 2017</td>
</tr>
<tr>
<td>Period 08</td>
<td>October 9, 2017 – October 22, 2017</td>
</tr>
<tr>
<td>Period 09</td>
<td>October 23, 2017 – November 5, 2017</td>
</tr>
<tr>
<td>Period 10</td>
<td>November 6, 2017 – November 19, 2017</td>
</tr>
<tr>
<td>Thanksgiving *</td>
<td>November 23, 2017 - November 24, 2017</td>
</tr>
<tr>
<td>Period 11</td>
<td>November 20, 2017 – December 3, 2017</td>
</tr>
<tr>
<td>Period 12</td>
<td>December 4, 2017 - December 15, 2017**</td>
</tr>
<tr>
<td>** Service Ends on Friday</td>
<td></td>
</tr>
</tbody>
</table>

### Winter Recess
December 16, 2017 - January 1, 2018

| Period 13 | January 2, 2018 – January 14, 2018 |
| Martin Luther King, Jr. * | January 15, 2018 (Monday) |
| Period 14 | January 16, 2018 – January 28, 2018 |
| Period 15 | January 29, 2018 – February 11, 2018 |
| Period 16 | February 12, 2018 – February 25, 2018 |
| Period 17 | February 26, 2018 – March 11, 2018 |
| Period 18 | March 12, 2018 – March 23, 2018** |

### Spring Recess
March 24, 2018 – April 1, 2018

| Period 19 | April 2, 2018 – April 15, 2018 |
| Period 20 | April 16, 2018 – April 29, 2018 |
| Period 21 | April 30, 2018 – May 13, 2018 |
| Period 22 | May 14, 2018 – May 27, 2018 |
| Memorial Day * | May 28, 2018 (Monday) |
| Period 23 | May 29, 2018 – June 10, 2018 |
| Period 24 | June 11, 2018 – June 22, 2018** |

### Summer Recess (M3)
June 23, 2018 – July 1, 2018
Scheduling Instructions

Requirements for Graduation (Class of 2018) include the following:

Basic Required Clerkships:

- Family Medicine Community Preceptorship   8 weeks
- Internal Medicine Clerkship    12 weeks
- Obstetrics and Gynecology Clerkship    6 weeks
- Pediatrics Clerkship       8 weeks
- Psychiatry Clerkship      6 weeks
- Surgery Clerkship       8 weeks

SENIOR YEAR IS 10 MONTHS LONG (July-April)
7 or 8 months of electives during the senior year

- Senior Selective (M4 year)        4 weeks
- ICE Senior Seminars (M4 year)     4 weeks

The last page of this handbook is a sample scheduling worksheet. Copies of worksheets are available from the Office of Admissions and Student Affairs and online at unmc.edu/com/curriculum/m3-m4/senior-courses.html.

Elective Scheduling

ALL electives are pre-arranged with the department coordinators. After completing the paper schedule, students will enter the pre-arranged choices in OASIS (https://oasis.unmc.edu/index.html), the College of Medicine’s online student scheduling system. Coordinators will then approve or deny registration. Students will be denied if they did not pre-arrange before entering the elective in OASIS.

Scheduling Timetable

February 2017:
The 2017 - 2018 Senior Elective Handbook and 2017 - 2018 Senior Selective Handbook will be available. Schedule an appointment to meet with your Clinical Curriculum Advisor to work on your scheduling worksheet, which can be found online at unmc.edu/com/curriculum/m3-m4/senior-courses.html as well as in this handbook.

In February you will have an opportunity to request a month (February 2018 or April 2018) for your ICE Senior Seminar through an OASIS lottery. You will be notified of your ICE month in early March 2017 so you can finish your senior year planning. (Please refer to the course description for M-ID-710 for details about the course.) Students may begin contacting coordinators by email on Sunday, February 19, 2017 at 6 PM to discuss pre-arranging electives.

March 2017:
Deadline for submitting first choice options in OASIS
Friday, March 24, 2017
Requests to change your ICE month can only be accommodated on a “space available” basis and must be arranged with Lisa Paquette (lisa.paquette@unmc.edu). All electives must be approved before entering them into OASIS. All months of the schedule must be completed in OASIS with a combination of UNMC courses, up to 3 away rotations, and up to 1 month of vacation. Please select a UNMC elective for any tentative away rotations to guarantee a placement for each month of your senior year.

April 2017:
Coordinators will approve or deny requests for electives and should be discussed with coordinators BEFORE being entered into OASIS. Requests to replace denied options can be entered as they occur. Final decisions are submitted by April 28, 2017 so schedules can be reviewed by the Office of Student Affairs.

May 2017:
Tentative schedules are finalized in OASIS. An email notifying that Drop/Adds can begin will be sent and can then occur UNTIL May 26, 2017.

June 2017:
Registration will take place. Your schedule then becomes a computerized record in the Office of Academic Records. After this occurs, any change to your schedule will require a drop/add. (Please see detailed drop/add procedures).

Scheduling Details
- If you are planning a vacation please indicate so by signing up for:
  - OASA_900 Vacation in OASIS
- Electives may be taken off-campus (out of Nebraska) with prior departmental approval. The most current information about off-campus electives can be obtained from VSAS (Visiting Student Application Service) – www.aamc.org/students/medstudents/vsas/ or the visiting school’s website. (Please see off-campus elective procedures).
- Sign-up for the appropriate departmental away rotation in OASIS for any out-of-state rotations you are planning to take. These will not be approved until you have been accepted and completed the necessary Application for Off-Campus Elective through the department.
- ALL hospital assignments for electives are done by the department involved – not the Office of Admissions and Student Affairs.
- It is highly advised to have an advisor look over your desired schedule.
- If you have questions pertaining to scheduling please contact Lisa Paquette (lisa.paquette@unmc.edu, MSC 4044).
- Questions specific to electives should be directed to the department’s coordinator.
Advisor System

The Office of Admissions and Student Affairs, in conjunction with the Student Evaluation Committee, has formulated an advising system as described below:

The philosophy of the advising system:

As adults in a professional school, medical students bear the primary responsibility for their success or failure. The College of Medicine recognizes, however, that students may need the assistance provided by an advising system. There are several goals of the advising system:

- To provide students with a faculty member who is familiar with the students’ abilities, which can serve as a confidant and advocate for the student.
- To better inform the student of opportunities that may enhance their medical school education.
- To assist the student in understanding the guidelines for promotion set by the College of Medicine.
- To inform the student of campus support services that might aid them in times of their academic or personal difficulty.
- To assist the student in the design of senior electives that support their residency choice.

By March of the third year, students should select a clinical curriculum advisor from the clinical faculty. This could be the same advisor who served in years one and two, if this individual was a clinician. It is anticipated that the advisor selected during the junior year would, for many students, represent an individual in the field of the students’ residency training interest. The student would meet with an advisor to plan the M4 year. Students have the liberty of changing advisors according to their career interests. The advisor will discuss senior elective choices and help with career planning.

Residency Career Advisor:

These are the primary residency advisors for each department. They are available to students thinking of entering that field. These advisors are knowledgeable about residency programs and strategies for application in that field. Students are permitted to change advisors should their area of interest change or should they find that the original advisor is not meeting their needs.

A list of advisors follows this section.
CLINICAL CURRICULUM ADVISORS

ANESTHESIOLOGY
Jennifer Adams, M.D.
Madhuri Are, M.D.
Amanda Arnzen, M.D.
Joe Baus, M.D.
Kristina Birch, M.D.
Tara Brakke, M.D.
Tom Brooks, M.D.
Beth Burton, M.D.
Megan Chacon, M.D.
Amy Duhachek-Stapelman, M.D.
Sheila Ellis, M.D.
Erin Etoll, M.D.
Brad Fremming, M.D.
Katie Goergen, M.D.
Jeremy Hartley, M.D.
Ali Hascall, M.D.
Nick Heiser, M.D.
Kim Haynes Henson, M.D.
Scott Hofmann, M.D.
Terry Huang, M.D.
Andrew Ingemansen, M.D.
Dan Johnson, M.D.
Kyle Johnson, M.D.
Joe Kalamaja, M.D.
Sean Karre, M.D.
Cale Kassel, M.D.
Michael Lankhorst, M.D.
Steven Lisco, M.D.
Nick Markin, M.D.
Maria Michaelis, M.D.
Tom Nicholas, M.D.
Platt Niebur, M.D.
John Ohnoutka, M.D.
Huiling Pang, M.D., Ph.D.
Andrew Patterson, M.D. Ph.D.
K. Reed Peters, M.D.
Cathleen Peterson-Layne, M.D., Ph.D.
Angie Rakes, M.D.
Kyle Ringenberg, M.D.
Ellen Roberts, M.D.
Nancy Rogic, M.D.
Tom Schulte, M.D.
Sasha Shillcutt, M.D.
Jean Simonson, M.D.
Jim Sullivan, M.D.
Jennifer Uggen, D.O.
Charles Walcutt, M.D.
Corey Zetterman, M.D.
EMERGENCY MEDICINE
Claudia Barthold, M.D.
Chad Branecki, M.D.
Amy Cutright, M.D.
T.J. Welniak, M.D.

FAMILY MEDICINE
Ivan Abdouch, M.D.
Greg Babbe, M.D.
Lisa Backer, M.D.
Susan Evans, M.D.
Toby Free, M.D.
Mark Goodwin, M.D.
David Harnisch, M.D.
Jeff Harrison, M.D.
William Hay, M.D.
Jeffrey Hill, M.D.
Douglas Inciarte, M.D.
Kimberly Jarzynka, M.D.
Mindy Lacey, M.D.
Jennifer Liu, M.D.
Monty Mathews, M.D.
Jason Patera, M.D.
Audrey Paulman, M.D.
Paul Paulman, M.D.
Michael Sitorius, M.D.
John Smith, M.D.
Steve Tibbels, M.D.
Douglas Wheatley, M.D.

INTERNAL MEDICINE
Micah Beachy, D.O.
Philip Bierman, M.D.
Rachel Bonnema, M.D.
James Campbell, M.D.
Amy Cannella, M.D.
Gay Canaris, M.D.
Julie Fedderson, M.D.
Anne Kessinger, M.D.
Lynell Klassen, M.D.
Ted Mikuls, M.D.
Gerald F. Moore, M.D.
J. Scott Neumeister, M.D.
David O'Dell, M.D.
James O'Dell, M.D.
Jennifer Parker, M.D.
Craig Piquette, M.D.
Troy Plumb, M.D.
Jane Potter, M.D.
Elizabeth Reed, M.D.
Debra Romberger, M.D.
Daniel Schafer, M.D.
Jason Shiffermiller, M.D.
Joseph Sisson, M.D.
INTERNAL MEDICINE (Continued)
Thomas Tape, M.D.
Austin Thompson, M.D.
Andrew Vasey, M.D.
Chad Vokoun, M.D.
Julie Vose, M.D.
John Windle, M.D.
Renee Young, M.D.

MEDICINE-PEDIATRICS
Jennifer Parker, M.D.
John Sparks, M.D.
Sharon Stoolman, M.D.

NEUROLOGY
John M. Bertoni, M.D.
Pierre Fayad, M.D.
J. Americao Fernandes, M.D.
Harris A. Frankel, M.D.
Amy Hellman, M.D.
Deepak Madhavan, M.D.
Mac T. McLaughlin, M.D.
Daniel Murman, M.D.
Najib I. Murr, M.D.
Pariwat Thaisetthawatkul, M.D.
Diego Torres-Russotto, M.D.
Rana K. Zabad, M.D.

NEUROSURGERY (DIVISION OF) – SURGERY
Michele Aizenberg, M.D.
Kenneth Follett, M.D.,PhD
Les Hellbusch, M.D.
Douglas Long, M.D.
Mark Puccioni, M.D.
Daniel Surdell, M.D.
William Thorell, M.D.
John Treves, M.D.

OBSTETRICS AND GYNECOLOGY
N. Jean Amoura, M.D.
Teresa G. Berg, M.D.
Karen Carlson, M.D.
Libby Crockett, M.D.
Laura Cudzilo, M.D.
Katherine Finney, M.D.
Jennifer Griffin, M.D., M.P.H.
Sonja R. Kinney, M.D.
Ramzy Nakad, M.D.
Robert C. Olesh, M.D.
Steven W. Remmenga, M.D.
Kerry Rodabaugh, M.D.
Carl V. Smith, M.D.
Marvin L. Stancil, M.D.
Paul G. Tomich, M.D.
Sylvia Ziegenbein, M.D.
OPHTHALMOLOGY
James Gigantelli, M.D.
Vikas Gulati, M.D.
John Halgren, M.D.
Shane Havens, M.D.
Shannon Lynch, M.D.

ORAL SURGERY (SECTION OF) – SURGERY
Valmont Desa, D.D.S., M.D.

ORTHOPAEDIC SURGERY AND REHABILITATION
Chris Cornett, M.D.
Miguel Daccarett, M.D.
Mark Dietrich, M.D.
Paul W. Esposito, M.D.
Kevin L. Garvin, M.D.
Hani Haider, Ph.D.
Curtis Hartman, M.D.
Brian Hasley, M.D.
Layne Jenson, M.D.
Beau Konigsberg, M.D.
Sean McGarry, M.D.
Matthew A. Mormino, M.D.
Joseph Morgan, M.D.
David Rhodes, M.D.
Susan A. Scherl, M.D.
Justin Siebler, M.D.
Philipp Streubel, M.D.
Matthew Teusink, M.D.
Scott Vincent, M.D.
Maegan Wallace, M.D.

OTOLARYNGOLOGY – HEAD AND NECK SURGERY
Dwight T. Jones, M.D.
William M. Lydiatt, M.D.
Oleg Militsakh, M.D.
Aru Panwar, M.D.
Samuel Pate, M.D.
Russell Smith, M.D.

PATHOLOGY AND MICROBIOLOGY
Dominick DiMaio, M.D.
Timothy C. Greiner, M.D.
Subodh Lele, M.D.
Geoffrey Talmont, M.D.
James Wisecarver, M.D., Ph.D.

PEDIATRICS
Jill Beck, M.D.
Ann Anderson-Berry, M.D.
Bruce Buehler, M.D.
John Colombo, M.D.
Don Coulter, M.D.
David Finken, M.D.
James Harper, M.D.
PEDIATRICS (Continued)
Hao (Howard) Hsu, M.D.
John Kugler, M.D.
Amy LaCroix, M.D.
Paul Larsen, M.D.
Stefanie Lowas, M.D.
Sheryl Pitner, M.D.
Sheilah Snyder, M.D.
John Sparks, M.D.
Sharon Stoolman, M.D.
John Walburn, M.D.

PEDIATRIC SURGERY (SECTION OF) – SURGERY
Shahab Abdessalam, M.D.
Robert Cusick, M.D.
Megan Fuller, M.D.
Brian Jones, M.D.
Stephen Raynor, M.D.

PSYCHIATRY
Jeana Benton, M.D.
Matthew Egbert, M.D.
Sharon Hammer, M.D.
Thomas Magnuson, M.D.
Ashish Sharma, M.D.
Sheritta Strong, M.D.
Steven Wengel, M.D.

RADIATION ONCOLOGY
Charles A. Enke, M.D.
Chi Lin, M.D.
Robert Thompson, M.D.
Andrew Wahl, M.D.
Weining Zhen, M.D.

RADIOLOGY
Matthew DeVries, M.D.
Neil Hansen, M.D.
Jason Helvey, M.D.
Sushama Kunnathil, M.D.
Melissa Manzer, M.D.
Jennifer Oliveto, M.D.
Dick Slater, M.D.
Chris Vargo, M.D.

SURGERY
Chandra Are, M.D.
Charity Evans, M.D.
Wendy Grant, M.D.
Sean Langenfeld, M.D.
Matthew Longo, M.D. (Vascular)
David W. Mercer, M.D.
Kim Schenarts, Ph. D.
Paul Schenarts, M.D.
SURGERY (Continued)
Lisa Schlitzkus, M.D.
Jon Thompson, M.D.
Karin Trujillo, M.D. (CT Surgery)

UROLOGY (SECTION OF) – SURGERY
Chris Deibert, M.D.
Ina Kim, M.D.
Chad LaGrange, M.D.
Carlos Villanueva, M.D.

RESIDENCY CAREER ADVISORS

ANESTHESIOLOGY
Amy Duhachek-Stapelman, M.D.
Sheila Ellis, M.D.
Katie Goergen, M.D.
Andrew Patterson, M.D., Ph.D.
Jean Simonson, M.D.
Nicholas Heiser, M.D.

EMERGENCY MEDICINE
Claudia Barthold, M.D.
Chad Branecki, M.D.
Amy Cutright, M.D.
T.J. Welniak, M.D.

FAMILY MEDICINE
Ivan Abdouch, M.D.
Greg Babbe, M.D.
Lisa Backer, M.D.
Susan Evans, M.D.
Toby Free, M.D.
Mark Goodwin, M.D.
David Harnisch, M.D.
Jeff Harrison, M.D.
William Hay, M.D.
Jeffrey Hill, M.D.
Douglas Inciarte, M.D.
Kimberly Jarzynka, M.D.
Mindy Lacey, M.D.
Jennifer Liu, M.D.
Monty Mathews, M.D.
Jason Patera, M.D.
Audrey Paulman, M.D.
Paul Paulman, M.D.
Michael Sitorius, M.D.
John Smith, M.D.
Steve Tibbels, M.D.
Douglas Wheatley, M.D.
INTERNAL MEDICINE
Micah Beachy, D.O.
Rachel Bonnema, M.D.
Julie Fedderson, M.D.
William Lyons, M.D.
J. Scott Neumeister, M.D.
David O’Dell, M.D.
James R. O’Dell, M.D.
Thomas Tape, M.D.
Chad Vokoun, M.D.
Trevor VanShooneveld, M.D.

MEDICINE-PEDIATRICS
Patrick Doherty, M.D.
Jennifer Parker, M.D.
Allison Ramey, M.D.
John Sparks, M.D.
Sharon Stoolman, M.D.

NEUROLOGY
John Bertoni, M.D.
Pierre Fayad, M.D.
J. Americo Fernandes, M.D.
Harris A. Frankel, M.D.
Amy Hellman, M.D.
Deepak Madhavan, M.D.
Mac T. McLaughlin, M.D.
Daniel Murman, M.D.
Najib I. Murr, M.D.
Pariwat Thaisetthawatkul, M.D.
Diego Torres-Russotto, M.D.
Rana Zabad, M.D.

NEUROSURGERY
Michele Aizenberg, M.D.
Kenneth Follett, M.D.,PhD
Les Hellbusch, M.D.
Douglas Long, M.D.
Mark Puccioni, M.D.
Daniel Surdell, M.D.
William Thorell, M.D.
John Treves, M.D.

OBSTETRICS AND GYNECOLOGY
N. Jean Amoura, M.D.
Teresa G. Berg, M.D.
Karen Carlson, M.D.
Libby Crockett, M.D.
Laura Cudzilo, M.D.
Katherine Finney, M.D.
Jennifer Griffin, M.D., M.P.H.
Sonja R. Kinney, M.D.
Ramzy Nakad, M.D.
Robert C. Olesh, M.D.
Steven W. Remmenga, M.D.
Kerry Rodabaugh, M.D.
OBSTETRICS AND GYNECOLOGY (Continued)
Carl V. Smith, M.D.
Marvin L. Stancil, M.D.
Paul G. Tomich, M.D.
Sylvia Ziegenbein, M.D.

OPHTHALMOLOGY
James Gigantelli, M.D.
Vikas Gulati, M.D.
John Halgren, M.D.
Shane Havens, M.D.
Shannon Lynch, M.D.

ORTHOPAEDIC SURGERY AND REHABILITATION
Chris Cornett, M.D.
Miguel Daccarett, M.D.
Mark Dietrich, M.D.
Paul W. Esposito, M.D.
Kevin L. Garvin, M.D.
Hani Haider, Ph.D.
Curtis Hartman, M.D.
Brian Hasley, M.D.
Layne Jenson, M.D.
Beau Konigsberg, M.D.
Sean McGarry, M.D.
Matthew A. Mormino, M.D.
Susan A. Scherl, M.D.
Matthew Teusink, M.D.

OTOLARYNGOLOGY – HEAD AND NECK SURGERY
Dwight T. Jones, M.D.
William M. Lydiatt, M.D.
Oleg Militsakh, M.D.
Aru Panwar, M.D.
Samuel Pate, M.D.
Russell Smith, M.D.

PATHOLOGY AND MICROBIOLOGY
Dominick DiMaio, M.D.
Timothy C. Greiner, M.D.
Subodh Lele, M.D.
Geoffrey Talmon, M.D.
James Wisecarver, M.D., Ph.D.

PEDIATRICS
Bruce Buehler, M.D.
Don Coulter, M.D.
Patrick Doherty, M.D.
Paul Larsen, M.D.
Lisa Seiczkowski, M.D.
John Sparks, M.D.
Rob Spicer, M.D.
Sharon Stoolman, M.D.
John Walburn, M.D.
PEDIATRIC SURGERY (SECTION OF) – SURGERY
Shahab Abdessalam, M.D.
Robert Cusick, M.D.
Brian Jones, M.D.
Stephen Raynor, M.D.

PSYCHIATRY
Daniel Gih, M.D.
Sharon Hammer, M.D.
Howard Liu, M.D.

RADIATION ONCOLOGY
Charles A. Enke, M.D.
Andrew Wahl, M.D.
Weining Zhen, M.D.

RADIOLOGY
Matthew DeVries, M.D.
Neil Hansen, M.D.
Jason Helvey, M.D.
Sushama Kunnathil, M.D.
Melissa Manzer, M.D.
Jennifer Oliveto, M.D.
Dick Slater, M.D.
Chris Vargo

SURGERY
Chandra Are, M.D.
Charity Evans, M.D.
Wendy Grant, M.D.
Sean Langenfeld, M.D.
Matthew Longo, M.D. (Vascular)
David W. Mercer, M.D.
Kim Schenarts, Ph. D.
Paul Schenarts, M.D.
Lisa Schlitzkus, M.D.
Jon Thompson, M.D.
Karin Trujillo, M.D. (CT Surgery)

UROLOGY (SECTION OF) – SURGERY
Chris Deibert, M.D.
Ina Kim, M.D.
Chad LaGrange, M.D.
Carlos Villanueva, M.D.
ELECTIVES

During the senior year, each student (with the advice of an advisor), will be encouraged to choose five electives from their primary area of interest from the "elective list" for that area. Each department has provided a list of electives. These electives have been determined to be appropriate for students entering that field. An advisor should be chosen from the list of Clinical Curriculum Advisors in a "primary" area of interest, or if an area is not represented, an advisor from any one of these areas may be chosen and the "generic" elective list will be used. Modification of the elective list should be made ONLY with the advice of the faculty advisor.

Directions

1. Determine your primary area of interest.
2. Select Advisor from Clinical Curriculum Advisors.
3. Meet with Clinical Curriculum Advisor and discuss scheduling opportunities from "elective" list for primary area of interest.
5. Contact coordinators for approval (space availability etc.)
6. Enter selections into OASIS.

ELECTIVE LISTS

ANESTHESIOLOGY
Anesthesiology
Newborn Medicine
Adult Cardiology
Nephrology
Diabetes, Endocrine and Metabolism
Otolaryngology
Anatomic Pathology
Adult Intensive Care
Radiology
Surgical Critical Care

EMERGENCY MEDICINE
Anesthesiology
Adult Cardiology
Adult ICU
Dermatology
Emergency Medicine
Ophthalmology
Orthopaedic Surgery
Otolaryngology
Pediatric ICU
Radiology
SICU/Trauma ICU
Trauma Surgery
EMED electives (here or away) to include HBO, toxicology, peds ED, ultrasound
FAMILY MEDICINE – RURAL PRACTICE
Advanced Obstetrics
Newborn Medicine
Pediatric Medicine
Adult ICU
Family Medicine Inpatient Rotation
Ambulatory Surgical electives
Internal Medicine electives
Ambulatory Psychiatry
Otolaryngology
Emergency Room
Radiology

FAMILY MEDICINE – URBAN PRACTICE
Family Medicine Ambulatory Rotation
Ambulatory Psychiatry
Ambulatory Gynecology
Domestic Violence
Otolaryngology
Ophthalmology
Family Medicine Inpatient Rotation
Ambulatory Surgery electives
Ambulatory Internal Medicine electives
Ambulatory Pediatric electives

INTERNAL MEDICINE
(Internal Medicine electives should be limited to 3-4).
Emergency Medicine
Any Internal Medicine elective
Ophthalmology
Anatomic Pathology
Radiology
Surgery (any elective)

MEDICINE-PEDIATRICS
(Internal Medicine and Pediatrics electives should be limited to 1-2 each).
Any Internal Medicine elective
Any Pediatric elective
Anesthesia
Emergency Medicine
Radiology
Women’s Health
*ICU in either Pediatrics or Internal Medicine and Subinternship in the other

NEUROLOGY
Clinical Neurology
Neurology Research
Off-Campus Neurology elective
NEUROSURGERY
Anesthesiology
Critical Care
Diabetes, Endocrine and Metabolism
Infectious Disease
Neurology
Neuroradiology
Neurosurgery
Neurosurgery Research
Neuro-Ophthalmology
Orthopaedics
Otolaryngology
Pain Management
Plastic Surgery

OBSTETRICS AND GYNECOLOGY
(Any OB-GYN elective)
Anesthesiology
Diabetes, Endocrine and Metabolism
Genetics and Metabolic Disease
Hematology/Oncology
Newborn Medicine
Adult Intensive Care
Nephrology
Urology
Women’s Health

OPHTHALMOLOGY
Anesthesiology
Emergency Room
General Medicine
Neurology
Ophthalmology
Otolaryngology
Clinical Pathology
Pediatrics (any elective)
Radiology
Rheumatology
Plastic Surgery
Diabetes, Endocrine and Metabolism

ORTHOPAEDIC SURGERY AND REHABILITATION
Anesthesiology
Adult Cardiology
General Medicine
Diabetes, Endocrine and Metabolism
Neurology
Orthopaedics
Clinical Pathology
Pediatrics (any elective)
Radiology
Surgery (any elective)
Trauma
OTOLARYNGOLOGY – HEAD AND NECK SURGERY
Anesthesiology
Surgical Critical Care
Diabetes, Endocrine and Metabolism
Adult Gastroenterology
General Surgery
Hematology/Oncology
Adult Pulmonary
Neurosurgery
Ophthalmology
Plastic Surgery
Radiation Therapy
Cardio-Thoracic Surgery
Pediatrics (any elective)

PATHOLOGY
Cytopathology
ENT/Lung
Gastrointestinal pathology
General pathology
Hematopathology
Molecular genetics
Obstetrics & Gynecology
Surgical pathology

PEDIATRICS - (Pediatric electives should be limited to 3-4).
Anesthesiology
Internal Medicine (any elective)
Otolaryngology
Clinical Pathology
Pediatrics (any elective)
Psychiatry (any elective)
Radiology
Pediatric Surgery

PSYCHIATRY
Pain Management
Family Medicine or Internal Medicine
Pediatric Neurology or Developmental Pediatric Practicum
Emergency Medicine
Adult Ambulatory Neurology
Pediatrics (any elective)

RADIOLOGY
Emergency Room
Inpatient General Medicine
General Medicine
Adult Gastroenterology
Renal
Hematology/Oncology
Adult Pulmonary
Orthopaedics
Clinical Pathology
Newborn Medicine
SURGERY
Adult Cardiology
Adult Gastroenterology
Anesthesiology
Critical Care – Surgical, Medical, Anesthesia
Diabetes, Endocrine, and Metabolism
Emergency Room
Infectious Disease
Nephrology
Ortho, Urology, NGS, PRS, ENT
Pain Management
Radiology
Surgery (Any Elective)
Surgical Pathology
THE ELECTIVE PROGRAM

The elective program in the fourth year of enrollment enables each student to somewhat individualize medical training, which to that point has been circumscribed and predictable. Students may use elective time to broaden their background in a particular specialty, pursue a research project or other scholarly endeavors, or explore career objectives in specialties covered in the required clerkships. Electives may be completed in major and affiliated teaching hospitals in this city, in teaching hospitals in other medical centers in the nation or abroad, or in preceptorships with full-time or volunteer faculty members. Other arrangements are subject to approval by the College of Medicine Curriculum Committee.

Electives in Omaha
Students doing an elective in Omaha should consult the roster of electives and the descriptions provided in this handbook. The elective director may be consulted for specific information about the program.

Drop/Add Procedures
Once registration takes place (through the Office of Academic Records), the elective schedule becomes a computer record and the drop/add procedures must be followed to make changes.

After registration, notice of TWO WEEKS is required to change elective selections. Students should understand that elective directors must develop rotation schedules well in advance of the start of the clerkship/elective and, therefore, failing grades may be recorded for students who drop an elective selection less than two weeks from initiation.

Drop/Add occurs monthly and you will be informed of the dates available to work with department coordinators in making changes to the schedule. First check with the department for which an elective is to be added. If space is available and approved, contact the department coordinator for the currently scheduled course in that time slot and request a drop. Finally, place the add request in OASIS for final approval from the new course’s department coordinator.

You will only be allowed to change your schedule a total of three (3) times during the academic year. Please plan accordingly.
OFF-CAMPUS ELECTIVES

The College of Medicine Curriculum Committee supports the value of off-campus electives in various specialties. Students may take no more than three (3) elective months off-campus during the clinical years. Each elective must be approved by the appropriate department. The three months does not include the Family Medicine Preceptorship taken in the junior year of enrollment. Appropriate off-campus electives are those providing opportunities in areas in which the college cannot accommodate the number of students interested in the courses. Exploration of a potential residency is another logical reason for an off-campus elective.

International Electives:
As part of the paperwork required for international electives, an affiliation agreement must be obtained prior to leaving campus. The sponsoring department at UNMC must obtain a signed copy of the affiliation agreement and file it with the Vice Chancellor’s Office prior to the last drop/add deadline that precedes the month of the rotation. Failure to have the document signed will result in no credit for the student. Students need to meet with Sara Pirtle for International approval.

To make certain the educational experience will be productive and to ensure that students have access to the best information available, the procedures outlined below must be followed.

The student makes formal application to the off-campus institution – either through VSAS (Visiting Student Application Service) or by written application. Once approved for the off-campus experience, the student must complete the “Application for Off-Campus Elective” form in its entirety. The student must be in good academic standing as determined by the Office of Admissions and Student Affairs. Section I and Section II of the form must be completed prior to return to the Office of Admissions and Student Affairs. Please supply complete information on the form!

Upon receipt of the completed off-campus form, the Office of Admissions and Student Affairs will review for approval. If your elective is canceled for any reason, it is YOUR responsibility to notify the department involved. If your elective is approved, a proper Drop/Add must be processed to reflect this change and for the purpose of receiving academic credit. A record of the institution providing this opportunity is required to receive credit.

It is the student’s responsibility to alter their schedule to reflect the off-campus elective. The Drop/Add deadline dates will apply for off-campus electives in the same manner as a change occurs in a UNMC elective.

STUDENTS are allowed a maximum of three months (3 months) off campus during their fourth year. The following courses listed in the handbook are considered in the total of three months off-campus:

FMED-750 International Health
OPHT-725 International Ophthalmology Elective
Guidelines for dropping electives are the same for off-campus electives as for those in Omaha, unless the host institution has more stringent requirements.

The status of a UNMC student at the off-campus institution is that of a visiting non-credit student. Tuition is paid at UNMC and UNMC transcript credit is given by the sponsoring department when, upon completion of the elective, an evaluation of the student's performance has been received.

It is the responsibility of the STUDENT at UNMC to supply the off-campus institution with an evaluation form for the off-campus elective experience. Please obtain the proper evaluation form from the sponsoring department at UNMC. Each department has a specific evaluation form to be used.

Students requesting more than three months off-campus during their senior year must submit that request, IN WRITING, to the Curriculum Committee prior to the start of the senior year. Requests for more than three months made later than that date (i.e. during the year) will not be approved. The Committee will not approve additional off-campus time to investigate residencies or for personal or social reasons.

If you have any questions regarding the off-campus elective procedures, please do not hesitate to contact the Office of Admissions and Student Affairs.

Compliance with these guidelines will ensure efficient handling of your requests.
OFF-CAMPUS ELECTIVES – Instructions for completing paperwork:

Some off-campus institutions have their own off-campus elective application form that you must complete and submit, along with several items. This varies according to the off-campus institution.

The Office of Admissions and Student Affairs is the person that completes the application form where it indicates “school official, dean, or designee.” Many items are needed on these application forms and a few are listed below. It is certified that you are:

1. A student in good academic standing
2. You will be at the fourth year (senior) level when you take the elective
3. You will pay tuition at this institution while away from campus
4. You are covered by both liability and health insurance while away from this campus
5. You will receive academic credit for this experience
6. You have received HIPAA training and training in blood borne pathogens
7. An evaluation of your performance will be required upon completion of the elective

TRANSCRIPTS: Many institutions request an official transcript of your medical school performance. You must order a transcript through MyRecords to be sent directly to Lisa Paquette

HIPAA Training: If you need to provide certification of HIPAA training and/or any other training, you can access documentation at [https://net.unmc.edu/care](https://net.unmc.edu/care). You would select the “my requirements” link from the menu. Click on the printer icon. A pop up window appears allowing you to print certificates for all completed requirements or you have the option to select specific requirements. If you have questions or encounter a problem with obtaining proof of your training, please call the Compliance Coordinator on campus (402-559-3929).

LIABILITY COVERAGE: Proof of liability coverage is obtained from Amy Lamer in the Risk Management Office. Please contact Amy by e-mail at alamer@unmc.edu.

HEALTH INSURANCE COVERAGE: Proof of health insurance coverage is your responsibility. Many institutions will accept a photocopy of your student health insurance card. Others may want an official letter from this institution, outlining the coverage. If this is the case, you must contact Pat Oberlander at (402-559-7276) or by e-mail poberlander@unmc.edu.

IMMUNIZATIONS: Many institutions want proof of immunizations. This information can be obtained from Tere Batt in Student Health. Tere can be reached at (402-559-5158) or by e-mail at tbatt@unmc.edu.
USMLE STEP 1: Many institutions want proof that you have successfully completed USMLE Step 1. The Office of Student Affairs does not have access to your report. It can be added to your application if a copy is provided to the Office by you.

EVALUATION OF YOUR PERFORMANCE WHILE AT THE OFF-CAMPUS INSTITUTION:
In order to receive credit for your performance at the off-campus institution, the institution you attend must be provided with an evaluation form from our College of Medicine that they will complete and return. Every department has their own evaluation form and you must contact the appropriate department for the form. Some departments will send the form to the institution; others may want you to take the form with you. Regardless of how the departments operate – THE EVALUATION FORM IS YOUR RESPONSIBILITY. If the sponsoring department here does not get an evaluation from the off-campus institution, you do not receive a grade and/or credit for the rotation.

FINAL NOTE: Once approved for an off-campus elective, you MUST confirm with Lisa Paquette that you are registered properly for this experience. If you are NOT registered properly, you will not receive credit for the experience.

If you have any questions concerning any of the above information and/or the procedures for off-campus electives, please do not hesitate to contact Lisa Paquette (lisa.paquette@unmc.edu) or Sue Pope (spope@unmc.edu /402-559-4169) in the Office of Admissions and Student Affairs.

Thank you!
UNIVERSITY OF NEBRASKA MEDICAL CENTER – COLLEGE OF MEDICINE
APPLICATION FOR OFF-CAMPUS ELECTIVE

Instructions: Use one form for each off-campus elective. Fill out Section I, obtain departmental approval on Section II and return to the Office of Admissions and Student Affairs. **This form must be completed before the student leaves campus.**

Student Name: ____________________________________________

SECTION I: DESCRIPTION OF OFF-CAMPUS ELECTIVE (completed by student)

UNMC Rotation #___________ Off-Campus Crse Name____________________________________ (This should be an Off-Campus #)

Off–Campus Institution ________________________________________________________________

City __________________________ State______________________________

Contact Name________________________ Contact Phone #___________________________

Contact Email ________________________ Rotation dates ______________________________

☐ These dates do NOT coincide with UNMC rotations

SECTION II: DEPARTMENTAL APPROVAL (completed by UNMC department)

The student named above has permission to take the off-campus elective described for credit from this department. The off-campus institution will be furnished an evaluation form to be returned to the UNMC department granting approval.

Approved by: ___________________________________________________________________
(Signature)

Department: ___________________________________________________________________

Date: _________________________________________________________________________

SECTION III: ACADEMIC STANDING (completed by Office of Admissions and Student Affairs)

The student named above is in good academic standing and permission is granted to participate in this elective experience.

Approved by: ___________________________________________________________________
(Signature) (Program Coordinator, Office of Admissions and Student Affairs)

Date: _________________________________________________________________________

Copies to: _____ UNMC Sponsoring Department _____ UNMC Student
_____ UNMC Student File
GRADUATION REQUIREMENTS

Basic Clerkships (Junior Year)
Family Medicine Community Preceptorship  8 weeks
Internal Medicine  12 weeks
Obstetrics and Gynecology    6 weeks
Pediatrics       8 weeks
Psychiatry       6 weeks
Surgery       8 weeks

Senior Year (10 months – July through April)
In addition to the ICE Senior Seminars requirement (Page 34) and four weeks of a Senior Selective, all students must take a minimum of seven (7) four-week rotations chosen from the elective lists. Nine (9) months of scheduled courses are required.

Vacation
In addition to regularly scheduled winter and spring recess, students are allowed ONE month of vacation to be taken during the senior year, unless completing junior year requirements.

BLS and ACLS
Certification in Basic Life Support (BLS) and Advanced Cardiac Life Support (ACLS) are requirements for graduation. A separate notification will be mailed to you prior to the start of the senior year.

Patient Simulators
The Curriculum Committee of the College of Medicine has instituted the use of patient simulators to assess the ability of students to perform history and physical examinations during the junior year.

OSCE
During the senior year, you will be required to perform an Objective Structured Clinical Examination (OSCE). This OSCE consists of four cases and is very similar in format to the USMLE Step 2 Clinical Skills (CS) Examination.

The cases cover all areas (emergency medicine, surgery, pediatric, obstetrics, psychiatry and medicine) of ambulatory care. You will be scheduled for the test sometime during the months of September through November. A minimum performance will be required. Appropriate remediation will be arranged should you fail to perform at a minimum level.

USMLE Step 2 CK (Clinical Knowledge) & CS (Clinical Skills):
You must register to take by April 1 of your senior year.
PROCEDURAL SKILLS

A task force has developed a list of skills for which medical students must demonstrate proficiency, or minimal experience with, prior to graduation. Each student will be held responsible for documentation of specific clinical abilities/training for students graduating from the College of Medicine.

TIME OFF CLINICAL SERVICES

The College of Medicine Curriculum Committee strongly supports allowing students one day off service per week. Before taking time off the service, each student must obtain coverage for their patients and must inform the appropriate supervisory personnel of that coverage.

Senior students may be allowed time off of non-required electives in order to participate in medical meetings or to take USMLE Step 1 CK or CS exams. The elective director must approve each student’s request individually and determine what make-up, if any, is required.

Absence is not allowed from required clerkships.

Requests for more than 25% time off will be carefully considered before approval is given. Advance approval by the Curriculum Committee will also be required.

If students are absent from a clerkship/elective for any significant period of time, a note explaining the absence and make-up will be placed in the official student record in the Office of Admissions and Student Affairs.

RELEASE TIME – HOUSE OFFICER INTERVIEWING

Senior medical students may request up to five (5) weekdays and two (2) weekend days off from each of four (4) non-required rotations/electives for the purpose of interviewing for a post-graduate position. Absence requests should be made to the elective director at least two weeks prior to the start of the rotation/elective. This elective director must approve each student’s request individually and determine what make-up, if any is required.

It is the student’s responsibility to ask the clinical departments about planned absences.

If you are planning extensive interviewing, it may be best to schedule your month of vacation for interviewing.
INFORMATION FOR VISITING STUDENTS

Requests for elective time at the University of Nebraska Medical Center College of Medicine from students attending U.S. medical schools or osteopathic schools are done through VSAS (Visiting Student Application Service). There is a maximum of 1 (one) rotation per applicant. Please limit requests to no more than 4 (four) options for review. If those options are denied you may then submit more options for consideration.

Do not contact any faculty or clinical department prior to your acceptance for a rotation. Doing so is considered a professionalism breach and may disqualify you from doing rotations at UNMC. Applications will be reviewed by merit beginning April 1 with decisions BEGINNING May 1 of each academic year. UNMC offers rotations from July - February of each academic year.

Applicants will be expected to adhere to the date schedule as prescribe by UNMC and be able to attend all 4 weeks of any given rotation.

Only complete applications will be reviewed, others may be denied and not up for review at a later date. A complete application consists of the following:

Verification page on VSAS completed by the Home School
Current OSHA training (listed on Verification page)
Current BLS (listed on Verification page)
Medical Liability in the amounts of $3M Aggregate and $1M Per Instance (listed on Verification page)
Completion of Core Clerkships that are required at UNMC (listed on Verification page)
Current HIPAA training (listed on Verification page)
Passed USMLE Step 1 (listed on Verification page)
Immunizations uploaded
Background check uploaded
CV uploaded
Photograph uploaded
Transcript uploaded

The University of Nebraska Medical Center additional documentation required for VSAS applications: (See VSAS for any updates to this list)

UNMC requires a background check uploaded for each applicant.

The following departments require additional documents:

Anesthesiology: Step 1 score
List of previous electives taken in this area

Emergency Medicine: Step 1 or COMLEX score
Brief statement of interest in area

Orthopaedic Surgery: Step 1 score

Otolaryngology: Step 1 score
Brief statement about why UNMC

Path. & Microbiology: Course 799 requires a preference sheet DO NOT CONTACT DEPT OR FACULTY

Radiation Therapy: List of previous electives taken in this area

Surgery: Step 1 score
Step 2 score (if available)
Elective rotations are four weeks in length.

We do not offer any two week elective experiences.

Electives are NOT offered during March, April, May or June to visiting students.

The student must be at the senior/final level of medical school at the time of the proposed elective.

Visiting students are not accepted into third year junior clerkships.

The University of Nebraska College of Medicine does not accept application for electives from students attending foreign medical schools and non-LCME accredited institutions. NO EXCEPTIONS !!

To attend a non-credit experience, please contact the International Health and Medical Education offices at 402-559-6414 or international@unmc.edu or visit their website at http://www.unmc.edu/ihme/index.html.
DEPARTMENTAL DESCRIPTIONS

All courses in this catalog are 4 credits and meet the defined criteria of a 4 credit course as listed in below:

One credit hour is equivalent to one hour (50 minutes minimum) of lecture and two (2) hours of out-of-class work each week. For all standard 15-week semesters of instruction, and for non-standard (condensed) and online courses the following contact times (minimums) are assigned for every one (1) credit hour based upon the specific type of learning activity:

- Synchronous Classroom: 1 hour of contact time and 2 hours of out-of-class work for each week of instruction
- Laboratory: 2-4 hours of contact time for each week of instruction
- Research/Field Work: 2-4 hours of contact time for each week of instruction
- Clinical: 2-4 hours of contact time for each week of instruction
- Simulation: 2-4 hours of contact time for each week of instruction
- Other Activities: 3 hours of contact time (Exam time can be considered part of contact time if an instructor chooses to count time spent on assessment as part of contact time)
- Asynchronous Education (i.e. Online or Distance Learning): 3 hours of student work for each week. Student work includes reading, research, online discussion, instruction, and assigned group activities, preparation of papers or presentations.

The Curriculum Committee of each College approves the number of credit hours for all courses, regardless of mode of delivery. The determination/assignment of credit hours should reflect the educational content of the course and the time required for a typical student to achieve the College’s desired outcomes.

M-ID-710 ICE Senior Seminars (REQUIRED COURSE FOR GRADUATION)
Credit Hours: 4
Number of Weeks: 4
Available times: February 2017 OR April 2017
Student Limit: February-65; April-65
Primary Faculty: Dr. Regan Taylor and Dr. Amy Cutright

This course is NOT available to visiting students.

Goals:
The M4 Integrated Clinical Experience (ICE) Senior Seminars are designed to:

Teach complex clinical issues at a point in students’ careers when they have a clinical context for understanding the relevance of those issues.

Gain advanced training in areas specific to future career goals.

Assist students in their transition to residency and life as a physician.

Structure: This required course will only be offered during the months of February 2017 and April 2017. Plans are not be made during the assigned ICE month until student seminar schedules are finalized and can be scheduled around. Each student will take mandatory (required) seminars, and additional elective seminars to satisfy their total credit hour requirement during the scheduled month. During their scheduled seminar days, students will not be excused from Seminar attendance, except in the case of illness or bereavement.

Instruction and assessment: The instructional format utilizes lectures, small group, interactive, and case-discussion format. Students will be assessed based on attendance and participation. ICE Senior Seminars will assign only “Pass” or “Fail” grades. Any sessions missed or not satisfactorily completed must be remediated prior to graduation.
ANESTHESIOLOGY

Chair – Steven Lisco, M.D.
Student Clerkship Coordinator – Nicholas Heiser, M.D.
Curriculum Clerk – Melinda Murdock
2015 Bennett Hall
402-559-4175

ANES-720 Anesthesia Clerkship
Periods Offered: Each four weeks except July
Student Limit: 8 – University Hospital or VA
Where to Report: All students will be notified via campus mail or e-mail one week prior to orientation of starting time and place of rotation.
Contact Person: Melinda Murdock (402-559-4175)

The intention of this clerkship is to provide students with a broad exposure to the field of anesthesiology. Students will be given an opportunity to participate in the care of patients throughout the perioperative period-from the Pre Anesthesia Screening Clinic to the Post Anesthesia Care Unit and Intensive Care Unit. Students will also assist in providing anesthetic care as part of the Obstetric Anesthesia team and with the Acute Pain Service. All of this is in addition to caring for patients in the operating room undergoing a wide variety of surgical procedures. This diverse experience will give the student an opportunity to learn about the medical management of the perioperative patient and provide them a hands-on experience for a variety of procedures including airway management, peripheral nerve blockade, neuraxial anesthesia, venous access and invasive monitoring techniques. Other concepts emphasized will be physiology, pharmacology, fluid management, and pain control. Our clerkship also utilized the simulation lab to learn clinical skills, ACLS, and to improve decision-making in sessions with our faculty.

Activity                      Hours/Week
Rounds                        5
Didactic conferences          3
Independent learning          10
Research project              3
Independent patient care      0
OR case supervision           40

ANES-734 Pain Management
Dr. Michael Lankhorst
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: All students will be notified via campus mail or e-mail one week prior to orientation of starting time and place of rotation.
Contact Person: Melinda Murdock (402-559-4175)

This course is NOT available to visiting students.

During this one month rotation the student will spend the majority of their time seeing patients at one of our clinic locations. These locations include Village Point, the UNMC main campus or Bellevue Medical Center. The student will become familiar with the treatment of chronic non-malignant pain and cancer pain. The student may participate in consultation within the hospital as well as the various interventional procedures that are done in the OR to treat pain. They will also spend time with the staff of our behavioral pain program.
Activity                  Hours/Week
Rounds                  5
Didactic conferences    0
Independent learning    5
Research project        0
Case supervision         25-50
Patient evaluations     50-100

**ANES-760 Off-Campus Anesthesia Elective**
Periods offered: Each four or eight weeks
Student Limit: By Arrangement
Prerequisite: Must be arranged with Melinda Murdock and Dr. Hurlbert
Contact Person: Melinda Murdock (402-559-4175)

This course is NOT available to visiting students.

Arrangements in other medical centers can be made for extraordinary learning experiences not readily available within our facilities. Department of Anesthesiology faculty will be pleased to work with the student interested in an extramural clerkship when credit for this clerkship is desired. All arrangements for this off-campus elective and all correspondence are the responsibility of the student requesting this elective. Off-campus elective application forms must be submitted in VSAS (Visiting Student Application Services). Student MUST inform the student clerkship coordinator of their application. (See off-campus elective application procedures).

**ANES-799 Advanced Anesthesiology**
Prerequisite: ANES-720 Anesthesia

This course is NOT available to visiting students.

This is an opportunity to select an area of interest. The student will spend a week of intense study and learning in any of several specialized areas, such as neuro-anesthesia, cardiovascular anesthesia, thoracic anesthesia, pediatric anesthesia, obstetrical anesthesia, or acute pain management (regional anesthesia). Generally, the student will select rotations on which they prefer to spend time in and will closely follow faculty and residents for a week at a time on each of the chosen rotations.

**M-ID-763 Senior Selective Individualized Program**
Periods Offered: August through April (for 4 weeks)
Student Limit: By Arrangement
Prerequisite: Must be arranged with Melinda Murdock and Dr. Richard MacDonald
Contact Person: Melinda Murdock (402-559-4175)

This course is NOT available to visiting students.

Senior Selective Research 763 is an approved elective for all seniors in many departments on campus. Permission must be granted by Dr. Richard MacDonald after your proposal is approved by your selected department.

The Senior Selective Research month in Anesthesiology has certain requirements you must fulfill before you can proceed with research in the department. Therefore, your first point of contact for this selective is the clerkship coordinator, Melinda Murdock. She will explain the steps necessary to so a Senior Selective Research month in Anesthesiology. Once you have spoken with her, you will be directed to contact physicians in the department to inquire about working with them on a research project. You will need to begin this process several months in advance of your rotation to make sure you have proper regulatory training and your requirements for human research training have been met (CITI Training, added to IRB applications, etc.). Your training is required before you can help with any research. Failure to fulfill these requirements will result in a mandatory drop of the course in Anesthesiology.
EMERGENCY MEDICINE

Chair – Michael Wadman, M.D.
Student Clerkship Director – Amy Cutright, M.D.
Student Clerkship Coordinator – Bridgette Hallock
UH 3202C
402-559-2571

All electives through this department are pre-arranged with Bridgette Hallock through e-mail – bridgettehallock@unmc.edu.

Emergency Medicine is a time-dependent specialty that demands the immediate decision-making and timely actions necessary to prevent death or further disability for patients in health crises. It is practiced as patient-demanded and continuously available care for a patient population that is unrestricted and presents with a full spectrum of episodic, undifferentiated physical and behavioral conditions.

The student’s responsibility in the ER is to serve as the primary caregiver to the patient in conjunction with other ED staff members and the supervision of the attending physician on duty. The physician assistants and certified nurse practitioners will not supervise or evaluate medical students performing a clerkship in the ED. Students are discouraged from serving only in an information-gathering role. Students will be expected to perform a directed history and physical examination, formulate appropriate differential diagnoses, and institute a clinically indicated evaluation and treatment plan after discussion with the attending physician. This responsibility will also include abstracting information from the patient’s medical record, serially monitoring the patient for changes in clinical status and keeping the patient informed during the course of their ED evaluation.

Procedures that need to be performed on a medical student’s patient will be completed by the student under the supervision of the attending physician, unless the attending physician determines that a higher level of expertise is required in order to safely complete the procedure.

As the primary physician practicing under the direction of our ED staff, your educational goals and objectives are as follows:

COURSE GOALS

Overall Goal: The development of the student’s clinical skills, including the diagnosis and management of life-threatening conditions in the undifferentiated patient with a secondary emphasis on basic procedural skills.

Goals:

1. The student will be able to perform a directed, problem-focused history and physical examination.
2. The student will formulate a differential diagnosis addressing urgent and emergent conditions consistent with history and physical examination findings.
3. The student will demonstrate proficiency in basic patient care and monitoring procedures.
4. The student will become proficient in basic wound management.
5. The student will become proficient in basic splinting/immobilization techniques.
6. The student will become proficient in basic EKG interpretation.
7. The student will develop interpersonal skills and professional attributes necessary to provide care in the Emergency Department.
8. The student will understand and appreciate the role the Emergency Department plays in the greater health care system and how the Emergency Physician may facilitate patient care, including pre-hospital care.
EMED-733  Trauma Center/Emergency Department – University Hospital  
Periods Offered: Each four weeks  
Student Limit: 4  
Where to Report: Emergency Department  

This is an experience at the Nebraska Medical Center University Hospital, which will show the operation of an emergency department in a large community by full-time faculty of the College of Medicine and allows students direct patient contact under supervision of an attending physician. In addition, the rotation includes wound care and a procedure lab, extremity injury, and immobilization lab simulation, required reading (textbooks provided at no cost) and a post-test. Paramedic squad observation will be offered, but is not mandatory. For further information, contact Bridgette Hallock or Dr. Amy Cutright at University Hospital (402-559-2571).

EMED-734  Hyperbaric and Undersea Medicine  
Periods Offered: Each four weeks  
Student Limit: 1  
Staff: Dr. Jeffrey Cooper  
Where to Report: Clarkson tower – 9th Floor  

This course is NOT available to visiting students.

Undersea and hyperbaric medicine specialists work with other physicians to treat infectious, traumatic, radiation, surgical and iatrogenic emergencies. This is highly specialized work founded on a large and rapidly progressing literature base. Hyperbaric treatments are advocated by specialists in oral maxillofical surgery, trauma surgery, infectious disease, internal medicine, pediatrics, toxicology, orthopaedics, critical care and other fields as highly efficacious, scientifically sound, and fiscally responsible. Medical students in those schools associated with hyperbaric facilities learn state of the art treatment of medical and surgical emergencies, including air gas embolism, necrotizing fasciitis, gas gangrene, osteomyelitis, radiation injuries, sudden hearing loss, sudden vision loss, avascular necrosis, gas toxicities, decompression illness, thermal burns and comprised flaps or grafts.

This course is designed to introduce the student to the principles of hyperbaric, diving and undersea medicine. The student will have the opportunity to observe monoplace hyperbaric medicine treatments and will review theory of the use of hyperbaric in the 14 UHMS approved therapies. Complication and controversies of HBO use will be discussed in lecture format. The student will review common wound problems, diabetes infection, nutrition, venous stasis and arterial insufficiency. Students will be exposed to patients with radiation injury, diabetic wounds, vascular issues and infectious issues such as osteomyelitis and necrotizing fasciitis. Didactics will include undersea and diving related topics such as gas embolism, decompression illness, inert gas narcosis, barotrauma, and marine envenomations and environmental illness. The Hyperbaric Medicine Center at UNMC is the only 24-hour per day hyperbaric medicine referral center with critical care capability from Des Moines to Denver and Kansas City to Minneapolis.

EMED-761  Off-Campus Emergency Room  
Periods Offered: Each four weeks  
Student Limit: By Arrangement  
Contact Person: Bridgette Hallock  

This course is NOT available to visiting students.

Special off-campus electives in Emergency Medicine at other medical centers can be arranged for an extraordinary learning experience not regularly available within the department. Any student interested in this elective may choose their experience or ask for suggestions from the EM Clerkship Director. An Off-Campus Elective Application form must be signed by the student’s advisor then submitted to the Emergency Medicine Department clerkship director for approval. The primary concern is to identify a responsible and acceptable faculty-in-absentia who will assure an active clerkship and offer an evaluation of performance.
The objective of this department is to prepare students to carry out their functions as leaders and coordinators of health care teams as they provide access to the health system and assume continuing responsibility for the management of patients over a long period of time. More specifically, the program is designed to do the following:

1. Provide a stimulating experience in a model of family medicine, which will infuse the student with a philosophy of family medicine and an understanding of the role of the family physician.
2. Help the student acquire excellent skills in diagnosis, treatment and management of patients and technical procedures appropriate for family medicine.
3. Help the student acquire the knowledge and appropriate depth in various fields of medicine encompassed by family medicine.
4. Provide opportunity for the student to develop mature clinical judgment and appreciation of the limitation of his or her competence.
5. Provide understanding of research and methodology in problems relating to the delivery of health services.
6. Encourage students to develop life-long habits of learning and an understanding of the role of continuing education in maintaining professional excellence.
7. Encourage students to examine the viability of rural family medicine.

Electives offered are directed at offering varying experiences in Family Medicine for those interested in the career field or others who are choosing more restricted fields and wish to broaden their experiences.

**FMED-720 Family Health Center – Durham Outpatient Clinic**

Dr. Douglas Wheatley and Staff  
Periods Offered: Every month except June, July and August  
Student Limit: 1  
Where to Report: Family Health Center – Contact Jolene Wees 402-559-9327  

This is a clinical experience in the Family Health Center at UNMC. Includes experience in treating adults and children with acute and chronic illnesses. This rotation covers all aspects of Family Medicine in an outpatient setting in addition to exposure to preventive medicine and surgical procedures done in the Family Medicine office and alternative health care systems. Students are also welcome to participate in Family Medicine seminars. NOTE – Addition of inpatient, OB, geriatric, or procedural experience could be arranged on an individual basis.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>0 during Inpatient Week</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>5</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>30</td>
</tr>
</tbody>
</table>
FMED-722  
**Family Health Center – Bellevue Medical Center Clerkship**  
**Staff**  
**Periods Offered:**  Every month except June, July and August  
**Student Limit:**  1  
**Where to Report:**  Bellevue Medical Center – Contact Jolene Wees at 402-559-9327

A clinical experience at the University satellite clinic located at 36th Street and Highway 370. This rotation covers all aspects of Family Medicine in an outpatient setting in addition to exposure to preventive medicine and surgical procedures done in the Family Medicine office and alternative health care systems. Full-time and volunteer faculty. NOTE – Addition of inpatient, OB, geriatric, or procedural experience could be arranged on an individual basis.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>0</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>5</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>30</td>
</tr>
</tbody>
</table>

**FMED-723  
Family Health Center – Oakview Clerkship**  
**Dr. Douglas Inciarte and Staff**  
**Periods Offered:**  Every month except June, July and August  
**Student Limit:**  1  
**Where to Report:**  Oakview Medical Center (144th & West Center) – Contact Jolene Wees 402-559-9327

An exposure to all aspects of Family Medicine in a private office setting based at the Oakview Medical Associates. This rotation covers all aspects of Family Medicine in an outpatient setting in addition to exposure to preventive medicine and surgical procedures done in the Family Medicine office and alternative health care systems. Located at 2727 South 144th Street, Suite 140, Omaha, Nebraska. NOTE – Addition of inpatient, OB, geriatric, or procedural experience could be arranged on an individual basis. NOTE – Addition of inpatient, OB, geriatric, or procedural experience could be arranged on an individual basis.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>0</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>5</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>30</td>
</tr>
</tbody>
</table>

**FMED-727  
Family Medicine Inpatient Service (UNMC)**  
**Chief Resident and Staff**  
**Periods Offered:**  Every month except July and August  
**Student Limit:**  1  
**Where to Report:**  Chief Resident – Room 2589 MSB - Contact Jolene Wees at 402-559-9327

Students are given externship responsibilities commensurate with experience under the direct supervision of the Family Medicine Chief Resident and inpatient attending physician. The inpatient service admits patients from the three Family Medicine Clinics, from the E.R. or Family Medicine referral patients from outstate Nebraska. NOTE – Addition of inpatient, OB, geriatric, or procedural experience could be arranged on an individual basis.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>20</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>5</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>20</td>
</tr>
</tbody>
</table>
FMED-730  Family Medicine Clerkship-Lincoln General
PRE-ARRANGED THROUGH JOLENE WEES AT 402-559-9327 - NOT THROUGH THE FAMILY MEDICINE PROGRAM IN LINCOLN
Periods Offered:  Every month
Student Limit:  2 (1-UNMC, 1-Other)
Where to Report:  Medical Staff Office

A clinical experience, both inpatient and outpatient, in Family Medicine. This rotation is coordinated through the Department of Family Medicine with the Lincoln Residency Program. Contact Jolene Wees in Family Medicine (402-559-9327) to start the application process. For housing information only, contact Susan Vrbka at the Lincoln Family Practice Program (402-327-6911)

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>15</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>2</td>
</tr>
<tr>
<td>Research project</td>
<td>1</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>20</td>
</tr>
</tbody>
</table>

FMED-732  Family Medicine Clerkship – Nebraska Medical Center/Clarkson Regional Health Service Program
PRE-ARRANGED THROUGH BEV HILBURN (402-552-2050)
Dr. Dorota Britz
Periods Offered:  Each four weeks
Student Limit:  2
Where to Report:  TBA (via letter) – Bev Hilburn at 402-552-2050. BOTH individuals need to know that you have pre-arranged this elective.

This course is NOT available to visiting students.

This is a four-week clinical experience, both inpatient and outpatient, in Family Medicine. This rotation is coordinated through the Department of Family Medicine with the Nebraska Medical Center/Clarkson Regional Health Service Program. The purpose of this rotation is to allow senior students the opportunity to experience the daily practice of clinical community based Family Medicine through care of patients in the inpatient setting under the guidance of Family Medicine residents and faculty. Dr. Dorota Britz is in charge of instruction for the M4 students.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>While on IP Rotation</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>3 days per week</td>
</tr>
<tr>
<td>Independent learning</td>
<td>Optional</td>
</tr>
<tr>
<td>Research project</td>
<td>No</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>Variable – initial contact with supervision</td>
</tr>
</tbody>
</table>
FMED-733  Rural Training Track  
PRE-ARRANGED THROUGH JOLENE WEES  
Questions regarding the elective – Contact Dr. Jeff Harrison at 402-559-8252  
Dr. Jeff Harrison  
Periods Offered: Each four weeks  
Student Limit: 1  
Where to Report: TBA  

This course is NOT available to visiting students.

This is a four-week campus clinical experience, both inpatient and outpatient, in Family Medicine at one of the existing Family Medicine rural training track Family Medicine residency sites. The purpose of this course is to allow senior medical students who are interested in the rural training track residency program to perform a clinical rotation at one of these sites.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>6</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>4</td>
</tr>
<tr>
<td>Independent learning</td>
<td>5</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>25-30</td>
</tr>
</tbody>
</table>

FMED-735  OneWorld Community Health Center  
PRE-ARRANGED THROUGH JOLENE WEES  
Dr. Alex Dworak  
Periods Offered: Each four weeks  
Student Limit: 1  
Where to Report: OneWorld (Contact Tay Orr at 402-502-8860 or by e-mail at torr@oneworldomaha.org)  

This course is NOT available to visiting students.

This is a four week course for senior medical students who have basic conversational ability in Spanish. Students will be vetted by a OneWorld employee via telephone prior to rotation to ensure their Spanish capabilities are adequate to ensure a fulfilling rotation.

This elective is a community health center based Family Medicine rotation with greater than 50% of the patients speaking Spanish. Students will interview and examine patients, practicing and improving their Spanish while being supervised by the OneWorld attendings.

Grade is based on attendance, enthusiasm, discretion and professionalism with patients and support staff, written notes, and final case report (done in Spanish).

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>1-2</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>2</td>
</tr>
<tr>
<td>Independent learning</td>
<td>4</td>
</tr>
<tr>
<td>Research project</td>
<td>10</td>
</tr>
<tr>
<td>Patient care</td>
<td>20</td>
</tr>
</tbody>
</table>
FMED-737 Domestic Violence
PRE-ARRANGED THROUGH JOLENE WEES
Periods Offered: Schedule determined by Domestic Violence Council based on demand
Staff: Dr. Paul Paulman - Healthcare Director; Domestic Violence Coordinating Council of Greater Omaha
Student Limit: 2 per month

This course is NOT available to visiting students.

A four-week immersion experience in domestic violence, prevention and treatment using a biopsychosocial community health model. During this course the student will:
Define domestic violence.
Describe the history, prevalence, incidence, prevention and treatment of domestic violence.
Complete a literature search on domestic violence and read selected journal articles and other material prior to starting other course activities (first week of rotation).

Participation in observational activities, including, but not limited to:
Two nights on call with domestic violence medical advocates in the UNMC Emergency Room.
Two eight-hour shifts with officers of the Omaha Police Department (OPD) Domestic Violence Unit.
One day with professionals and victims in the YWCA Women Against Violence (WAVE) program.
One day in a domestic violence shelter.
Two days attending court cases (Court Watch) involving victims of domestic violence and meeting with members of the Douglas County Attorney’s Office who deal with domestic violence.
Participating in at least one meeting of a batterer’s treatment group.

Prepare a written report or A-V presentation to be presented at an appropriate venue in the Department of Family Medicine. Follow at least one domestic violence victim through the initial treatment and referrals.

FMED-738 Preventive Medicine
PRE-ARRANGED THROUGH DR. JIM MEDDER
Staff: Dr. James Medder
Periods Offered: July ONLY
Student Limit: By Arrangement

This course is NOT available to visiting students.

The overall goal of the preventive medicine elective is to enhance the student’s knowledge, attitudes, and skills in preventive medicine at both the individual patient and population/community levels. This goal will be achieved by in-depth review and discussion of the guidelines of the U.S. Preventive Services Task Force and the Community Preventive Services Task Force using a Preventive Problem-Based Learning format. Additional learning activities include patient care with an emphasis on clinical prevention.

The student will develop skills in the following areas:
- Performing a prevention-focused history, including identification of age and gender specific risk factors and previous screening tests/exams and immunizations;
- Performing an appropriate prevention-focused physical exam;
- Ordering appropriate screening tests, preventive medications and immunizations;
- Improving communication skills, specifically motivational and behavioral change counseling skills incorporating social and cultural environmental factors to improve the overall health of patients.
- Identifying the risk factors and evidence-based interventions for the following topics and conditions: Immunizations, preventive medications, cardiovascular disease, cancer, infectious diseases, metabolic diseases, cognitive function, depression, sexually transmitted diseases, contraception, substance use, physical activity, nutrition, injury prevention, and dental/oral health.
- Obtaining/critiquing/developing patient education materials.
FMED-739 SHARING
PRE-ARRANGED THROUGH JOLENE WEESE
Staff: Dr. William Hay
Periods Offered: Each four weeks by arrangement
Student Limit: 4 per year

This course is NOT available to visiting students.

During the fourth year, the student will participate in a student run clinic for the underserved by assisting the student administrators and by providing patient care. The student will also attend SHARING Board meetings and complete a clinical quality improvement project mutually agreeable to the student and the Board.

Methods of Instruction – 1 to 1 clinical precepting and mentoring CQI project
Faculty facilitated clinic administration
Independent research and study of CQI project

During the senior year, the student will attend one evening clinic session (3-4 hours) for each of three SHARING clinics during eight four-week elective periods for a minimum of 24 visits during the year; additional visits may be required during some months to compensate for off-campus elective time and when these activities conflict with required activities of other electives, such as night call. In addition, students will attend SHARING Student and Faculty Board Meetings (2-3 hours per month over the noon hour) and complete the quality improvement project (approximately 4-6 hours per month) by the end of March.

Responsibilities to the SHARING Clinic throughout the M4 year DO NOT take precedence over the elective for which the student is registered in each of the other months. Students are responsible for arranging their SHARING visits each month after they have received the schedule for their elective that month.

FMED-750 International Health Elective
Periods Offered: Each four weeks
Student Limit: By Arrangement
You must pre-arrange this elective with:
Sara Pirtle, International Health and Medical Education (402-559-2924)
Jolene Wees, Department of Family Medicine (402-559-9327)
Students will be unable to do the elective if Sara Pirtle has not been contacted.

This course is NOT available to visiting students.

The course offers students the opportunity to participate in a health care setting in a foreign country. Students’ responsibilities, performed under the supervision of trained medical personnel, may include work in clinics and hospitals; home visits with community health workers, and health education. In addition, the student will also participate in a brief orientation and debriefing on campus.

Elective in China (FMED-750) – 6 students per month. Questions regarding the China experience – Please call Lenal Bottoms at (402-559-3791)
This elective is designed to give students experience in practicing in the unique environment of China. This one-month elective is based at the University Hospital of Shanghai Jiao Tong University School of Medicine, a 1,600-bed hospital and the principal teaching hospital of SJTUSM. The focus of this elective is to learn about the differences between the health care systems of the US and China. Students will work alongside Chinese medical students and attending faculty. The city of Shanghai is the “hotspot of modern China”, with a population of 17,000,000. There are many sightseeing opportunities available in China, also, including the Great Wall, Xi’an City, as well as several areas within Shanghai. This experience must be pre-approved and set up through the Asia Pacific Rim Development Program Office. Initial contact person is Lenal Bottoms, 402-559-3791.
Lesbian, gay, bisexual, transgender, and Queer (LGBTQ) individuals have a set of unique health concerns and problems, including higher rates of depression, suicide attempts, alcoholism, cardiovascular disease, some cancers, and sexually transmitted diseases. Their special needs are often overlooked or ignored due to transparency of LGBTQ individuals and their avoidance of routine healthcare due to a real or imagined fear of discrimination and rejection by physicians. Although a significant segment of society is LGBTQ, physicians receive minimal formal training in their care. The goal of this elective is to provide the specific training needed for physicians to effectively deal with the healthcare concerns and to provide medically and culturally competent healthcare to this sexual minority and vulnerable population.

At the end of this four-week elective, students will be able to:
- Define psychosocial issues and risks of self-disclosure by LGBTQ individuals.
- Identify barriers to healthcare for LGBTQ individuals and methods to overcome those barriers.
- Demonstrate appropriate history taking and interviewing skills to foster patient trust.
- Identify and successfully address the unique healthcare problems facing LGBTQ individuals.

Learning activities include patient care experiences with the LGBTQ population, online readings and assignments, seminars, didactics, case/panel discussions, and visits to LGBTQ agencies and organizations. Clinical practice opportunities include:
- Dr. Mark Goodman (Dr. Goodman’s patient population varies from 25-90% LGBTQ patients on any given day; students will be directed to the care of LGBTQ patients while in his clinic.)
- Dr. Susan Swindells (HIV/ID Clinic)
- Dr. Jean Amoura (Transgender Clinic)
- Dr. Jim Medder (LGBTQ Clinic with emphasis on PrEP)

Each student will keep a reflective journal in which the student will record his/her observations and analysis of patients seen and sites visited. This journal will be reviewed with the student by faculty. Visits to various agencies will be arranged and include the following among others:
- PFLAG (Parents, Families, and Friends of Lesbians and Gays) meeting
- GSA (Gay Straight Alliance) meeting at Creighton/UNO
- Meetings with health care professionals who work with the LGBTQ population
- Counseling/testing site experience at NAP (Nebraska AIDS Project)
- Care for those with HIV/AIDS

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Didactic conferences</td>
<td>6</td>
</tr>
<tr>
<td>Independent learning</td>
<td>12</td>
</tr>
<tr>
<td>Reflective journal</td>
<td>2</td>
</tr>
<tr>
<td>Patient care</td>
<td>12</td>
</tr>
<tr>
<td>Agency site visits</td>
<td>8</td>
</tr>
</tbody>
</table>
FMED-760  Private Practice Office Clerkship – Omaha  
Periods Offered:  Every month  
Student Limit:  By Arrangement  
Where to Report:  T.B.A.  
Contact: Jolene Wees 402-559-9327  

This course is NOT available to visiting students.  
This elective offers a chance to participate in and observe private practice in family physicians’ offices in Omaha. An off-campus elective application form must be submitted for this experience. (See Off-Campus Elective Application procedures).  
Please note – you will need to contact the Family Medicine Department and let them know where you plan to complete this rotation before you begin this rotation.  

FMED-761  Off-Campus Family Medicine Elective  
Periods Offered:  Every month  
Student Limit:  By Arrangement  
Contact Jolene Wees 402-559-9327  

This course is NOT available to visiting students.  
This elective offers a chance to participate in and observe an off-campus elective in an out of state locale of the students’ choice. An off-campus elective application form must be submitted for this experience. (See Off-Campus Elective Application procedures).  
Please note – you will need to contact the Family Medicine Department and let them know where you plan to complete this rotation before you begin this rotation.  

FMED-799  Research Project in Family Medicine  
Periods Offered:  Every four weeks  
Student Limit:  By permission  
Contact Jenenne Geske at 402-559-6758  

This course is NOT available to visiting students.  
The student may select a project in which he is particularly interested and with the approval of the faculty, may pursue this project intensively for four weeks. Such projects might be concerned with the delivery of health care or with the value of screening procedures. Faculty advice will be given and the research project will be structured.
IMED-714  Lincoln/Omaha Dermatology Clerkship
Omaha rotations need to set-up by the student and communicated the Education Programs Coordinator for approval.

This course is NOT available to visiting students.

Lincoln Option
Dr. Rex Largen-Nebraska Dermatology
Periods Offered: July and January ONLY
Student Limit: 1
Contact Person: Dr. Largen, 402-423-7000

This full time elective is spent away from University Hospital, with a volunteer dermatologic faculty member in their private practice.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>35</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>0</td>
</tr>
<tr>
<td>Independent learning</td>
<td>0</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>0</td>
</tr>
</tbody>
</table>

IMED-717  Omaha VAMC – Critical Care Medicine
Dr. Craig Piquette and Omaha VA Medical Center ICU Staff
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Omaha VA Medical Center ICU, 2nd floor, 8:00 a.m. Check with the Nebraska Supervising Resident for assignment.
Contact Person: Karen Brungardt for Attending Schedule, 402-559-3777.

A Nebraska faculty intensivist attends regularly on the VA CCM team, alternating every month with a Creighton faculty intensivist.

This course is NOT available to visiting students.

Objectives
- Evaluate and assist in management of patients with acute presentations of common medical problems
- Describe ventilator changes requires for a patient on mechanical ventilation based on ABG interpretation
- Define the various types of shock and describe their management
- Categorize the variety of vasoactive medications and their use in clinical situations

This clerkship offers opportunity for participation in the management of acutely ill patients, working closely with an ICU supervisory resident, the pulmonary and critical care fellow and attending physician. As a Subinternship, clinical expectations will include primary responsibility for all patients assigned to their care, writing a note each day on their patients to be cosigned by the supervising resident and attending physician, active participation on rounds, and the option of taking in-house overnight call with their supervising resident.
Learning objectives for this rotation include management of respiratory failure, acute coronary syndrome, acute and chronic renal failure and hyperglycemia among others. The students will be expected to learn interpretations of chest radiograph and common dysrhythmias. They will participate in bedside procedures and they will be expected to be able to evaluate and recognize patients with a variety of life threatening disorders and participate in their management. The student will be enrolled in a Blackboard Critical Care Medicine course containing various lectures and content and to attend any scheduled didactic lectures. Honors work will require enthusiasm and initiative, as well as student presentations to the CCM team of clinical topics related to clinical problems.

This ICU rotation is appropriate for a motivated student seeking a moderate intensity of critical care medicine.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>24</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>9</td>
</tr>
<tr>
<td>Independent learning</td>
<td>Blackboard CCM course, approx.3 hrs. /week</td>
</tr>
<tr>
<td>Research project</td>
<td>None</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>Not expected</td>
</tr>
<tr>
<td>Procedures</td>
<td>Based on student interest and competency</td>
</tr>
</tbody>
</table>

Any leave requests, either for residency interviews or other needs should be cleared with the attending physician by calling the contact number above.

IMED-718 Teaching Assistantship
Periods Offered: Year Round (July – April)
Student Limit: Varies
Faculty Contact: Dr. Regan Taylor
Contact Person: TBD

This course is NOT available to visiting students.

This elective is arranged through Ron Bechdolt (402-559-8689) and does not meet the senior selective requirement for the senior year.

Each Teaching Assistant (TA) will assist with various teaching and assessment activities taking place in the pre-clinical curriculum. Activities may include but are not limited to the teaching and assessment of: history and physical examination, living anatomy, patient interviewing and communication, differential diagnosis, and healthcare systems. Other activities may include: discussion board moderation, small group facilitation (POPS, TBL, PBL), laboratory activities, assistance with clinical examinations, scoring of student essays, and providing feedback to first and second year students about completed assignments.

Each TA’s involvement will depend on the number of planned activities, the number of participating TAs, and the individual and group schedules. All TAs will be required to complete Student as Teacher online modules during the fall semester and to attend required trainings and debriefings throughout the academic year. More TAs than is required for each event will be enrolled in the course to ensure M4s the flexibility necessary to complete graduation requirements and residency interviews.
Educational Goals and Objectives

Knowledge Base

The student will:

Begin to develop the acumen to obtain a detailed history from cardiac patients focusing on the pertinent aspects of the particular diagnosis or chief complaint as well as other medical diagnoses that either are included in the differential or will have an impact on the evaluation and treatment of the cardiac problem. Specific symptom complexes include but are not limited to:

1. History of chest pain
2. History suggestive of heart failure
3. Syncope
4. Cardiac pre-operative evaluation

Learn the proper techniques for a detailed cardiac examination to include:

1. Complete cardiac examination;
2. Examination for valvular diseases
3. Examination for heart failure symptoms

Correlate the physical examination in a “bidirectional” manner. The student will learn how the history directs the key points of the physical examination and similarly how the examination aids in coming to the correct diagnosis.

Understand how to implement guideline-driven care of the cardiac patient.

Develop and understand the rationale for cost-effective and appropriate testing required to confirm a diagnosis and implement treatment.

Acquired Skills

The student will learn and acquire the knowledge base to:

Perform a cardiac examination.
Interpret an electrocardiogram
Learn how to perform and write-up a good history and physical
Learn basic coronary anatomy and the correlation to the ECG in ischemic syndromes
Learn the appropriate rationale for ordering tests for the cardiac evaluation

The Cardiology Service

The UNMC Service

The University service is both a primary and consultative service. It generally consists of a faculty member who rotates in a one-week block. The fellow is on the service for the entire month. There are generally 3 internal medicine residents and 1 internal medicine senior student, 2 Family Medicine residents, 1 Anesthesia residents and two International observers with the exception of July and December on the inpatient service. A nurse coordinator is also part of the team. The team usually meets for pre-rounds in the conference room on the 7th floor of the Clarkson Tower with the fellow on the service. Attending rounds usually follow but may vary depending on the faculty member.
All students will have a pager for the month, which will be distributed by the Education Coordinator. Students will generally be assigned no more than 3-4 patients while on the service which they will follow until discharge or the student rotates off the service. The student should write daily notes on the patient as designated by the fellow on the service who essentially will be the “team leader.”

Students are expected to attend at least four conferences per month and review assigned articles. ECG review will be scheduled as time permits. Students are not required to round on the weekends but can do so if they choose.

**Educational resources**
A list of relevant reading resources will be provided by the fellow and Tuwanda Mayberry.

**Evaluations**
The faculty, fellow and residents will evaluate the student by standard process. There is no examination at the end of the rotation. The students will be evaluated on their ability to be a team member and their skills for evaluation and treatment of the patients they follow.

**IMED-720A Adult Cardiology, CHI Health Immanuel**
Dr. Sojka and Staff
Periods Offered: Each four weeks
Student Limit: 1
Contact Person: Rhonda Dennis, 402-960-4687.

There is additional paperwork to be completed for the hospital so it is advisable to start this paperwork 2-3 months in advance of your scheduled date.

This course is NOT available to visiting students.

Four (4) weeks of inpatient and outpatient cardiology. Student will see consultations (with supervision) and review lectures in various aspects of Cardiology. Student will have an opportunity, if they wish, to observe interventional cardiology, electrophysiology and cardio-thoracic surgery procedures, as well as covering aspects of non-invasive cardiology including indications and benefits of non-invasive testing.

The student will be primarily with Dr. S. George Sojka.

Didactics: Acute Coronary Syndrome, Congestive Heart Failure, pacing and anti-arrhythmics, rheumatic heart disease and murmurs, ECG and coronary artery disease, and cardiac rehabilitation and prescription.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>10 hours/week during inpatient service</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>1 hour/week</td>
</tr>
<tr>
<td>Independent learning</td>
<td>4 hours/week</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>10 hours/week during inpatient service</td>
</tr>
<tr>
<td>Clinic</td>
<td>40 hours/week during outpatient service</td>
</tr>
</tbody>
</table>
IMED-722  Advanced Internal Medicine “Meyers’ Course”  
Drs. David O’Dell and J. Scott Neumeister  
Periods Offered:  July, August, October, November ONLY  
Student Limit:  6 minimum - 18 maximum/month  
Where to Report:  5412C UH 8:00 a.m.  
Contact Person:  Jill McIntosh-Carnes, 402-559-6422  

This course is NOT available to visiting students. 

In this period of one month, this elective will review basic concepts in Internal Medicine including:  

1.5 hours of didactics each day (i.e.-EKG, antibiotic review)  
Small group cases focusing on diagnostics  
Dermatology experience  
Pattern recognition case vignettes  
Journal Club simulation  

Text: Daily readings from the Mayo Board Review Book  

Anticipated time requirements: 
The students start the day at 8 am and typically finish by 1pm. Anticipate an additional 2 hours of prep time for the next day (i.e. text/journal reading/ completing pattern recognition).  

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>0</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>7.5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>4</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>0</td>
</tr>
<tr>
<td>Small Groups</td>
<td>15</td>
</tr>
</tbody>
</table>

IMED-723  Diabetes, Endocrine and Metabolism (D.E.M.)  
Drs. Desouza, Armas, Mack, Goldner, A. Neumeister, Shivaswamy, Boerner, Drincic, Eiland, Gupta, Larsen, and Madan  
UNMC  
Periods Offered:  Each four weeks  
Student Limit:  2  
Where to Report:  Diabetes Center SSP / 1st Floor  
Contact Person:  Carrie Helmberger (402-559-6876) (Office 2008 SSP)  

Each student will have direct management responsibility for care of patients on the Diabetes, Endocrinology and Metabolism Service under the supervision of house officers, Endocrine fellows, and staff. Particular emphasis is placed on the diagnosis and treatment of those endocrine disorders encountered with the greatest frequency in the practice of medicine; specifically, diabetes mellitus and thyroid diseases. Students may decide if they would prefer to do the rotation predominantly in the outpatient clinic, predominantly on the inpatient service, or have an equal mix of both. There will be adequate opportunity to acquire a working understanding of the complex diagnostic approaches for other endocrine disorders (adrenal, pituitary, reproductive problems, lipid disorders and osteoporosis). All students will give a 15 minute presentation on an endocrine topic of their choice by the end of the rotation.  

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>6 to 20</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>4</td>
</tr>
<tr>
<td>Independent learning</td>
<td>3</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>4</td>
</tr>
<tr>
<td>Clinic</td>
<td>6 to 20</td>
</tr>
</tbody>
</table>
IMED-724  Gastroenterology
UNMC – Dr. Mailliard and Division Faculty
Periods Offered: Each four weeks (estimated hours 7:00am – 5:00pm M-F)
Student Limit: 1
Where to Report: The Education Coordinator (Lynne Roh) at lynne.roh@unmc.edu will send you an e-mail before the rotation begins. In the e-mail you will be given the name and pager of the attending and fellow on service and instructions to call them on the first day. PLEASE LOOK FOR THIS E-MAIL. If you do not receive it, please call Lynne Roh at 402-559-4356.

This course is NOT available to visiting students.

The Gastroenterology and Hepatology elective emphasizes the correlation of the basic science principles of physiology, pharmacology, and pathologic anatomy to clinical consultative gastroenterology. The Nebraska Medicine location utilizes an inpatient consult service; neither are primary care services. Active student participation in the patient management team, in both ambulatory clinic and hospital settings, is required and will emphasize bedside discussion, as well as attendance at regularly scheduled conferences. There will be one position available monthly at UNMC.

IMED-726 Infectious Disease
Periods Offered: Each four weeks
Student Limit: 2
Where to Report: UNMC – Call 402-559-8650 for information
Elective Contact: Dr. Van Schooneveld (402-559-8650)

This course is NOT available to visiting students.

During this rotation students spend time on the general Infectious Disease consult service. They will gain practical experience in the evaluation and management of numerous common and unusual infections along with training in the pathogenesis and prevention of infections. A series of formal, one hour didactic sessions on ID topics (e.g. antibiotics, outpatient ID, infections in immunocompromised hosts, nosocomial infections, and HIV) is presented during the month. Clinical microbiology training is also included with both lecture and lab time. Students attend and may have the opportunity to present at the weekly City-wide Infectious Disease Care Conference where unusual or interesting ID cases are presented and discussed. Time in the HIV/AIDS clinic is also a component.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>20</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>4</td>
</tr>
<tr>
<td>Independent learning</td>
<td>6</td>
</tr>
<tr>
<td>Research project</td>
<td>Negotiable</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>10</td>
</tr>
</tbody>
</table>
IMED-727  Renal
Staff: Drs. Troy Plumb, Jennifer Fillaus, Marius Florescu, and Jay Hawkins
Periods Offered: Each four weeks
Student Limit: 3
Where to Report: UNMC
Contact Person: Catherine Hughes-Rose 402-559-8501

The nephrology rotation is offered continuously as a four-week rotation at the University of Nebraska Medical Center. Students participate in the evaluation and treatment of inpatients and outpatients with renal disease, hypertension, and electrolyte/acid-base disorders. Daily inpatient rounds are oriented to bedside teaching and are supplemented by a seminar and lecture series on the range of nephrology topics important for primary care and specialists. Students see patients for initial evaluation and follow-up with the nephrology team. There are at least three scheduled conferences every week. By special request, additional students may take the nephrology rotation as a research or basic science reading course under the direction of an individual faculty member.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>20</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>3</td>
</tr>
<tr>
<td>Independent learning</td>
<td>5</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>10</td>
</tr>
</tbody>
</table>

IMED-727A  Renal at The Nebraska Medical Center (Clarkson)
Staff: Omaha Nephrology Group, Drs. Judd Bauer, Lindsay Gage, Brian Poole, Joseph Bast, Richard Lund
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Inpatient Dialysis (5899) Area, 7:30 a.m.
Contact Person: Tavi Baker at 402-888-1645

This course is NOT available to visiting students.

This course is designed to introduce the student to inpatient nephrology, including the fluid and electrolyte abnormalities common in patients with acute renal failure, the clinical situations involved in development of acute renal failure, and the appropriate therapy. Chronic renal failure also will be stressed in the rotation, with everything from drug therapy to hemodialysis and peritoneal dialysis being reviewed.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>20</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>3</td>
</tr>
<tr>
<td>Independent learning</td>
<td>2-12</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>20</td>
</tr>
<tr>
<td>Dialysis</td>
<td>3</td>
</tr>
</tbody>
</table>
IMED-728  End-of-Life Care: Hands On Experiences  
Periods Offered: Each four weeks  
Student Limit: 2-3  
Dr. Catherine Eberle (402-559-3965), Dr. Debra Romberger and Dr. William Lyons  
Contact Person: Travis Weyant, 402-559-3964  

This course is NOT available to visiting students.

This elective is designed to provide students with a variety of experiences in end-of-life care. Students will improve their ability to provide competent care at the end of a person’s life and increase their knowledge of available resources to assist patients and their families.

Activities include:
1. Core lectures and readings include:
   * Family Meeting – Making a Big Decision
   * Common Symptoms & Their Management
   * End of Life Care in the ICU (Withholding/Withdrawing Treatment)
   * Pain Management: A Pharmacist’s Perspective
   * How to Pronounce a Patient and Complete a Death Certificate
2. Participation with a community based hospice team by:
   * making home visits, nursing home visits and visiting Omaha’s only Residential hospice (Hospice House)
   * attending interdisciplinary hospice team meeting and working with key members of the team;
3. Working with a hospice medical director;
4. Participate in the Advance Care Team at the Omaha VA Medical Center.
5. An oral presentation (15-30 minutes) on a topic related to hospice and care of the dying is expected. This should be a topic that the student can continue to use in the future to teach others about care of dying patients.

Other opportunities are available based on the interest of the student. These may include working with a pain specialist in an outpatient pain clinic, a pharmacist specializing in pain management, a radiation oncologist, visiting a local funeral home or a community bereavement resource center. **Scheduling is flexible and students may arrange the schedule around interviews and other activities.**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds (Palliative Care at VA)</td>
<td>4-6</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>2</td>
</tr>
<tr>
<td>Independent learning</td>
<td>16</td>
</tr>
<tr>
<td>Oral presentation prep</td>
<td>2</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>0</td>
</tr>
<tr>
<td>Home Visits</td>
<td>10</td>
</tr>
<tr>
<td>Site Visits</td>
<td>4</td>
</tr>
<tr>
<td>Hospice Administration</td>
<td>1</td>
</tr>
</tbody>
</table>
IMED-730  Medical Oncology/Hematology
Drs. Armitage, Baljavić, Berim, Bhatt, Bierman, Bociek, Cowan, Ernani, Ganti, Grem, Gundabolu, Klute, Krishnamurthy, Holstein, Lunning, Maness, Marr, Reed, Schwarz, Shonka, Tandra and Vose
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Contact Shaun Capurro 402-559-5388, Buffett Cancer Center, 4th Floor
Clinic Contact: Marcelle Triantafilou at 402-559-7983

To offer a comprehensive experience in the Division of Oncology/Hematology, the course now offers a one-month inpatient and outpatient rotation that emphasizes evaluation and decision-making in these two subspecialty fields. Over the one month elective there is a two-week rotation on the general oncology inpatient service, one week on the hematology consult service and numerous outpatient clinics throughout the month. The clinics are somewhat subject-oriented and sometimes are conducted simultaneously. Areas from which to select include lymphoma, breast cancer, lung cancer, GI, GU, head and neck cancer, non-malignant hematology including coagulation disorders, and CNS/brain cancer. A half day is also spent in the cancer treatment area, pharmacy and radiation oncology.

Opportunities to observe and perform special procedures including bone marrow aspiration, bone marrow biopsy, paracentesis and thoracentesis may also occur. Core curriculum subjects are also discussed for 30 minutes before inpatient rounds with residents several times each week. There are also one hour course conferences with the fellows once or twice a week that the student can attend. In addition, students are welcome to attend multiple multidisciplinary oncology case conferences, hematology morphology conferences and various other didactic teaching happening in the section. Students are also assigned tasks and given opportunities for independent learning and presentations.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>Up to 30</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>4-5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Research project</td>
<td>If desired</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>Up to 20-30 hours in clinic</td>
</tr>
</tbody>
</table>

IMED-733  Pulmonary Medicine
UNMC – Dr. Craig Piquette and Staff
Periods Offered: Each four weeks
Student Limit: 2
Where to Report: University Tower UT 5216,
Respiratory Care Services Conf. Room, 9:00 a.m.
Contact Person: Karen Brungardt, 402-559-3777 Whitney Dailey, 402-559-4088

Objectives

- Outline the daily inpatient care of a patient with cystic fibrosis
- Evaluate and outline management of a patient with COPD exacerbation
- Outline the work-up of a patient presenting with interstitial lung disease
- Describe the evaluation of the level of control of asthma
- Evaluate and outline management of a patient with chronic cough

This elective is designed to provide the student with a practical background in Pulmonary Medicine. The students on the service will evaluate hospitalized pulmonary patients with the Pulmonary Consult Team; perform inpatient pulmonary consultations and evaluate patients in the UNMC Pulmonary Clinic. The course includes experience in the management of both simple and complex pulmonary problems, including primary care of cystic fibrosis, pulmonary hypertension and lung transplant patients. The students will review interpretation of arterial blood gases and pulmonary function tests with residents and fellows. A Blackboard course on Pulmonary Medicine is available and a number of
didactic lectures are scheduled usually at 11:00 a.m. as a topic review; the Powerpoint slides are also available on the Blackboard site. Honors work will require enthusiasm and initiative, as well as student presentations to the Pulmonary Team of at least one clinical topic related to a clinical problem as selected by the student. This pulmonary rotation is appropriate for a motivated student seeking a broad experience in Pulmonary Medicine.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>12</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>2 - 3</td>
</tr>
<tr>
<td>Independent learning</td>
<td>Blackboard Pulmonary Medicine Course, approx. 3 hrs/week</td>
</tr>
<tr>
<td>Research project</td>
<td>None</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>Not expected</td>
</tr>
<tr>
<td>Procedures</td>
<td>4</td>
</tr>
</tbody>
</table>

**IMED-734  UNMC Critical Care Medicine**

Dr. Craig Piquette and Critical Care Medicine Staff

**Periods Offered:** Each four weeks

**Student Limit:** 6 (2 on each team)

**Where to Report:** Clarkson Tower, CKT 9th Floor Conference Room, 9:00 a.m.

**Contact Person:** CCM Fellow on-call, 402-888-7000

**Objectives**

- Evaluate and assist in management of patients with acute presentations of common medical problems
- Describe ventilator changes required for patients on mechanical ventilation based on ABG interpretation
- Define the various types of shock and describe their management
- Categorize the variety of vasoactive medications and their use in clinical situations

This rotation offers opportunity for management of critically ill patients, working closely with an ICU supervisory resident, the pulmonary and critical care fellow and attending physician. Clinical expectations will include responsibility for all patients assigned to their care (maximum of 2), writing a note each day on their patients to be cosigned by the attending physician, active participation on rounds, and taking in-house overnight call, if desired, with their supervising resident.

Clinical situations encountered on this rotation include management of respiratory failure, acute and chronic renal failure and hyperglycemia among others. Students may also have an opportunity to assist in the care of patients with acute stroke, subarachnoid hemorrhage and septic shock. The students will be expected to learn interpretation of chest radiographs and common dysrythmias. They will participate in many bedside procedures and they will be expected to be able to evaluate and recognize patients with a variety of life threatening disorders and participate in their management. There are two separate Critical Care Medicine teams, each with an attending, a critical care fellow, as well as residents and physician extenders. Each team provides a difference experience and students will be randomly assigned based on availability and student interest. Students will rotate on two teams for two weeks each and switch at mid-rotation to provide the broadest experience possible. The student will be enrolled in a Blackboard Critical Care Medicine Course and will be expected to read through all the CCM educational material posted on Blackboard and to attend any scheduled didactic lectures. Honors work will require enthusiasm and initiative, as well as student a presentation to the CCM team of a clinical topic chosen by the student. In addition, attending physicians on each team will schedule with all the students, one hour of student-only contact per week to review presentations and review clinical topics of interest. All students are expected to attend these sessions unless excused. This ICU rotation is appropriate for a motivated student seeking a high level of intensity of exposure to critical care medicine.
<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>24</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>12</td>
</tr>
<tr>
<td>Independent learning</td>
<td>Blackboard CCM Course, approx. 3 hrs/week</td>
</tr>
<tr>
<td>Research project</td>
<td>None</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>Not expected</td>
</tr>
<tr>
<td>Procedures</td>
<td>Based on student interest and competency</td>
</tr>
</tbody>
</table>

**IMED-735 Honors Program in Internal Medicine**
UNMC Chief Resident, OVAH Chief Resident

Periods Offered: August, September, October, February, March, April **ONLY**

Student Limit: 1 per rotation

Pre-requisite: Internal Medicine Required Clerkship with Honors grade

Where to Report: Information will be emailed out prior to start.

Contact Person: Jill McIntosh-Carnes, 402-559-6422

This course is NOT available to visiting students.

This is a one-on-one comprehensive review of Internal Medicine. Each day the student will meet with the Chief Resident to review pertinent Internal Medicine topics. A typical day would consist of attending and participating in morning report, giving a brief presentation on the morning report topic to the residents, and meeting with the team for informal discussion. Once the Chief finds out the case for the day, the information will be passed on to the student to start to work on the next day’s presentation. Additional educational opportunities may include journal articles and presentations to the chief. These topics are at the discretion of the student and the Chief Resident. They will be customized to meet the students’ educational objectives. The student will also be responsible for attending morning report, noon conferences and Grand Rounds.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>0</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>20</td>
</tr>
<tr>
<td>Independent learning</td>
<td>20</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>0</td>
</tr>
</tbody>
</table>

**IMED-736 Allergy and Immunology**
Dr. May

Periods Offered: Each four weeks

Student Limit: 1 per rotation

Contact Person: Jill McIntosh-Carnes, 402-559-6422

This course is NOT available to visiting students.

Allergy and immunology is a unique field in medicine that allows providers to see patients of all ages after receiving training in internal medicine, pediatrics or me-peds and then fellowship in allergy and immunology. During this elective, the student will be exposed to this unique population with a wide array of patients at various clinical locations leading to a very diverse experience in patient care. Each student will work directly with three faculty members that have differing areas of expertise in allergic diseases at three different clinical sites in Nebraska Medicine. The student will learn to evaluate, diagnose and treat common allergic diseases such as rhinitis, asthma, eczema and food allergy. These are common complaints for patients and a good foundation of knowledge in treating these diseases becomes quite helpful in all areas of medicine. In addition, the student will become familiar with the assessment and treatment options of other diseases such as urticaria, angioedema, anaphylaxis and occasionally immunodeficiency in addition to many other diseases. During the rotation, the student will be actively engaged in seeing patients in clinic and forming his or her own assessment and treatment plan. In addition, he or she will participate in allergy division lectures and present a short lecture to the allergy faculty at the end of the rotation. Evaluation of the student will be provided by all three faculty members.
IMED-741 Introduction to Inpatient Rehabilitation
Location: Madonna Rehabilitation Hospital (MRH) – Lincoln, Nebraska
Periods Offered: Each four weeks
Student Limit: 1
Staff: Dr. Thomas Stalder, M.D., Medical Director and Staff
Contact Dr. Stalder at 402-486-9092 to approve BEFORE arranging with Jill McIntosh-Carnes at 402-559-6422.

This course is NOT available to visiting students.

Physical Medicine and Rehabilitation (PM&R), also referred to as physiatry, is a medical specialty concerned with diagnosing, evaluating and treating patients with limited function as a consequence of diseases, injuries, impairments and/or disabilities. The goal of the Physiatrist is to maximize an individual’s functional ability and improve quality of life.

This elective is especially recommended for students planning to specialize in Family Medicine, Internal Medicine, Neurology, Neurosurgery, Orthopaedics, Physiatry, or Rheumatology.

The student will receive an in-depth exposure to inpatient rehabilitation. He/she will gain experience in the diagnosis and comprehensive rehabilitation management of patients with Stroke (CVA), Spinal Cord Injury (SCI), and Traumatic Brain Injury (TBI), orthopaedic injury and/or joint replacement, amputations, rheumatoid arthritis and other disabling conditions. The student will work directly with four staff physiatrists, each of whom has a specialty area of CVA, SCI or TBI. He/she will be responsible for comprehensive workups and close follow-up of assigned patients.

The student will participate in the interdisciplinary team rounds and conferences and become actively involved by physical therapy, occupational therapy, speech-language pathology and psychology. The student will have the opportunity to participate in research activities being conducted at Madonna’s Institute for Rehabilitation Science and Engineering. The three centers in the Institute are the Center for Movement with Gain and Motion Lab and the Seating and Positioning Lab, the Center for Communication with Speech Physiology Lab, the Assistive Technology Lab and the swallowing lab and the Center for Outcomes and Informatics.

The MRH medical director will complete the evaluation of the student’s performance. The staff physiatrists will provide information on the student’s attendance, participation, case presentations and breadth of knowledge.

Required reading: Handbook of Physical Medicine and Rehabilitation, Susan A. Garrison, M.D. (provided by MRH).

IMED-743 Consultative Medicine
Drs. Chad Vokoun, Micah Beachy, Andrew Vasey, and Jason Shiffermiller
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Call Dr. Vokoun at 402-559-7299, e-mail: cvokoun@unmc.edu

This course is NOT available to visiting students.

Students will attend clinic five half days per week and perform pre-operative assessments on surgical patients. They will also follow post-surgical patients in the hospital. A series of lectures involving consultative medicine and “hospitalist” topics will be covered.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>8</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>2</td>
</tr>
<tr>
<td>Independent learning</td>
<td>10</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>22 (clinic and inpatient)</td>
</tr>
</tbody>
</table>
IMED-744 Outpatient Geriatrics – The Complete Geriatric Experience
Dr. Edward Vandenberg and staff
Periods Offered: Each four weeks
Student Limit: Varies
Where to Report: Contact Travis Weyant (402-559-3964) / tweyant@unmc.edu
This elective must be pre-arranged with Travis Weyant (402-559-3964)

This course is NOT available to visiting students.

This course is designed for students who anticipate careers in primary care and those whose careers will involve substantial outpatient responsibilities (most Internal Medicine subspecialties, neurology, psychiatry, physiatry, hospice and palliative care). Under health care reform an increasing proportion of care is occurring in outpatient settings, and individuals completing this experience will have a jumpstart on the necessary skills to thrive in outpatient care settings during residency. The medical knowledge conveyed through didactic and clinical experiences focuses on chronic disease management, team care, and health promotion. The faculty teaching and supervising this course are drawn from geriatrics and from hospice and palliative care. The venues of care are the following: Home Based Primary Care, Hospital and Palliative Care, Skilled Nursing Facility / Long Term Care, Geriatric Assessment and Primary Care Clinics and primary Care Medicine Home.

IMED-746 Women’s Health
Faculty: Drs. Bonnema, Boerner and Taylor
Periods Offered: Each four weeks EXCEPT December
Student Limit: 1
Where to Report: Please contact Dr. Bonnema; Call 402-559-7299 for information

This elective was established for students with a strong interest in developing an additional expertise in health issues uniquely affecting women and presenting differently in women. The student will work one on one with faculty with expertise in Women’s Health at UNMC. These experiences include general internal medicine, genetic counseling, dysplasia clinic, urogynecology, and pelvic physical therapy. Students will learn to manage mental health disorders common in women, menstrual dysfunction, menopausal symptoms, osteoporosis, and understand gender differences in disease presentation.

Discussions on women’s health topics will be provided during the month by participating faculty, along with a directed reading plan. The student will also be encouraged to attend scheduled lectures and conferences in Internal Medicine or OB/GYN as their clinical schedule allows.

IMED-749 Field Epidemiology at Cedar Point
Faculty: Dr. Devin Nickol
Periods Offered: TBA
Student Limit: T.B.A.
Where to Report: Please contact Dr. Devin Nickol
This elective is pre-arranged through Dr. Devin Nickol in the Department of Internal Medicine.

This course is NOT available to visiting students.

Practicing evidence-based medicine requires familiarity with the basic principles of epidemiology. This three-week summer course allows students to develop a background in these principles, using as its classroom the prairies, ponds, and fields of western Nebraska. Students engage in observation and experimentation while enjoying the beautiful natural setting of UNL's Cedar Point Biological Field Station, located near Ogallala and Lake McConaughy. Collecting trips, laboratory experiments and a group project offer unique, out-of-the-classroom learning opportunities. Visit http://darwin.unmc.edu/fieldepi for more information about this course and the facilities at Cedar Point. Students will need to obtain a copy of the required text (Epidemiology by Leon Gordis, fourth or fifth editions) prior to the rotation.
Students will develop an understanding of the epidemiological and biostatistical principles traditionally taught in an introductory-level epidemiology course. Students will develop skills in collection, dissection and laboratory experimentation. Students will develop an understanding of how classroom principles can be translated into real-world observation and experimentation. Instructional methods will include lecture, independent reading, field collection and observation trips and laboratory experiments. Computer-based methods may be included as well. Structured class time occurs Monday through Friday. Over the time period, roughly one-third of class time will be spent in lecture format and two-thirds in field/lab exercises. Evening reading assignments will be provided for most days. Student performance will be assessed using daily quizzes over assigned reading, class/lab participation and a final group project.

IMED-751  Rheumatology  
Faculty:  Drs. James O'Dell, Lynell Klassen, Gerald Moore, Ted Mikuls, Amy Cannella and Alan Erickson, and Michelene Hearth-Holmes  
Periods Offered:  Each four weeks  
Student Limit:  1  
Where to Report:  Allison Blatchford, 402-559-7288

This course is NOT available to visiting students.

Students will be given an opportunity to work with both inpatients and outpatients with various rheumatic diseases such as rheumatoid arthritis, gout and systemic lupus. Active participation in a weekly rheumatology conference, as well as in monthly citywide rheumatology meetings will be required. Didactic sessions, 3-4 times weekly, covering various topics in rheumatology, will also be required.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>6</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>8</td>
</tr>
<tr>
<td>Independent learning</td>
<td>12</td>
</tr>
<tr>
<td>Research project</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>7</td>
</tr>
<tr>
<td>Patient care with attending</td>
<td>7</td>
</tr>
</tbody>
</table>

IMED-760  Off-Campus Internal Medicine Elective  
Periods Offered:  Each four weeks  
Student Limit:  By Arrangement (Approval from Dr. David O'Dell)

This course is NOT available to visiting students.

Clerkships in universities or teaching hospitals elsewhere sponsored by a member of the Department of Internal medicine and in which the instructor directing the elective is not a member of our faculty. Appropriate off-campus electives are those providing opportunities in areas in which we have no comparable programs or in which the university cannot accommodate the number of students desiring the course. An Off-Campus Elective Application form must be submitted for this experience. (See Off-Campus Elective Application procedures).

IMED-762  Internal Medicine Preceptorship  
Periods Offered:  Each four weeks  
Student Limit:  By Arrangement (Approval from Dr. David O'Dell)

This course is NOT available to visiting students.
IMED-763       VA Emergency Medicine
Faculty: Dr. Scott Menolascino
Periods Offered: Each four weeks
Student Limit: Variable – By Arrangement with Dr. Menolascino
This elective is pre-arranged with Dr. Menolascino and Jill McIntosh-Carnes

This course is NOT available to visiting students.

Patients are assigned to students and residents on a rotational basis according to when they arrive in the department. Patients will be a mix of ambulatory patients, ambulance arrivals and clearance of both the acute psychiatric patient and the patient wishing to undergo substance abuse treatment. There will be a wide variety of medical conditions seen including acute cardiac, pulmonary, gastrointestinal, neurological, and infectious disease. There will also be potential for many procedures including ABG’s, arthrocentesis, paracentesis, thoracentesis, and central lines.

IMED-764       Off-Campus Dermatology Clerkship
Periods Offered: Each four weeks
Student Limit: By Arrangement (Approval from Dr. David O'Dell)

This course is NOT available to visiting students.

An Off-Campus Elective Application form must be submitted for this experience. (See Off-Campus Elective Application procedures).

IMED-766       General Medicine Subinternship
Staff at OVAH
Periods Offered: Each four weeks
Student Limit: 3

Spots are extremely limited and essentially not available from July-December because they are reserved for students enrolled in the Primary Care Program.

Where to Report: CCTV Room/VA Hospital, 3rd floor, 8:00 a.m.
Contact Person: Chief Resident, 402-995-3920

This course is NOT available to visiting students.

This clerkship offers an excellent opportunity for senior medical students to assume primary responsibility for the management of 4-8 general medicine patients. The student will admit, evaluate, manage and discharge typical medicine patients, all supervised directly by a senior medical resident and an attending physician. Admissions to the sub intern will be limited and the student will be expected to take 3-4 nights of in-house call during the month.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>50-60</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>Daily</td>
</tr>
<tr>
<td>Independent learning</td>
<td>Many opportunities</td>
</tr>
<tr>
<td>Research project</td>
<td>Variable</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>Variable</td>
</tr>
</tbody>
</table>
IMED-766A  General Medicine Subinternship  
Staff at UNMC  
Periods Offered:  Each four weeks  
Student Limit:  4  
Where to Report:  Chief Resident, MSB 5504, 8:00 a.m.

This course is NOT available to visiting students.

This clerkship offers an excellent opportunity for senior medical students to assume primary responsibility for the management of 4-8 general medicine patients. The student will admit, evaluate, manage and discharge typical medicine patients, all supervised directly by a senior medical resident and an attending physician. Admissions to the sub intern will be limited and the student will be expected to take 3-4 nights of in-house call during the month. The student will also be responsible for attending morning teaching rounds, noon conferences, and Internal Medicine Grand Rounds during the time of the rotation.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>20</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>10</td>
</tr>
<tr>
<td>Independent learning</td>
<td>0</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>30</td>
</tr>
</tbody>
</table>

IMED-798  Internal Medicine Research Elective in Infectious Diseases  
UNMC Staff:  Drs. Rupp, Swindells, Kalil, Freifeld, A. Hewlett, Sandkovsky, Van Schooneveld, D. Florescu, Bares, Zimmer, Cawcutt and Ashraf  
Periods Offered:  Each four weeks  
Where to Report:  Infectious Diseases Secretary, 402-559-8650  
Contact Person:  Dr. Trevor Van Schooneveld, tvanscho@unmc.edu

This course is NOT available to visiting students.

This elective offers students the opportunity to work with faculty members in the Division of Infectious Diseases on a range of research projects. There are numerous projects available in the areas of HIV/AIDS, Transplant ID, Oncology ID, Antimicrobial Stewardship, Healthcare Epidemiology, Orthopedic ID, Microbiology, and many other areas. Any infectious disease related project will be considered under the direction of an ID staff physician. Students interested in this rotation must contact and have the approval of an ID faculty member who will serve as a mentor.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>0</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>0</td>
</tr>
<tr>
<td>Independent learning</td>
<td>0</td>
</tr>
<tr>
<td>Research project</td>
<td>40</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>0</td>
</tr>
</tbody>
</table>

IMED-799  Research in Medicine  
Internal Medicine Staff  
Periods Offered:  Each four or eight weeks  
Student Limit:  By Arrangement

This course is NOT available to visiting students.
NEUROLOGICAL SCIENCES

Chair/Matthew Rizzo, M.D.
Elective Director/Diego Torres-Russotto, M.D., drtorres@unmc.edu
Student Coordinator/Arianne Marcoux, Arianne.marcoux@unmc.edu
CTS – 2nd Floor
402-552-2153

NEUR-736 Clinical Neurology Elective
Periods Offered: Each four weeks
Student Limit: 5
UNMC Faculty - Drs. Bertoni, Bhatti, Diesing,Fayad, Fernandes, Frankel, Gonzalez, Gress, Hellman, Kedar Madhavan, McLaughlin, Murman, Piccione, Rizzo, Taraschenko, Thaisetthawatkul, Torres-Russotto, and Zabad
Where to Report:
Arianne Marcoux – Clarkson Doctor’s South Tower – 2nd Floor – Department of Neurological Sciences

This senior elective functions as a Sub-Internship in Clinical Neurology. This rotation provides a view of Neurology residents’ life while providing a fully supervised learning environment. There is no call requirement, but a call experience can be requested. The rotation includes inpatient, outpatient and elective experiences. Multiple educational venues are used to enhance the learning activities, including formal lectures, bedside teaching, and Blackboard based learning modules.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct patient care</td>
<td>10</td>
</tr>
<tr>
<td>Bedside teaching &amp; Teaching rounds</td>
<td>16</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>4</td>
</tr>
<tr>
<td>Independent learning</td>
<td>10</td>
</tr>
</tbody>
</table>

NEUR-761 Off-Campus Neurology Elective
Periods Offered: Each four weeks
Student Limit: No pre-specified limit

This course is NOT available to visiting students.

Arrangements must be made by the student to get the outside rotation offer. The rotation then has to be recommended by the student’s advisor and approved by the Elective Director (Dr. Torres) at least two months in advance of the elective date.
NEUR-790  Clinical Research Elective in Neurology
Periods Offered: Each four weeks
Student Limit: No pre-specified limit

This course is NOT available to visiting students.

This elective offers students an opportunity to work under close mentorship from our faculty on clinical neurology research. There are many on-going and new projects available at all times. The student will gain basic knowledge about designing and conducting clinical research. The learning program is designed between the mentor and the student and then approved by the Elective Director (Dr. Torres). If you would like to participate in this opportunity, please contact your choice of the Neurological Sciences faculty listed below. If you are not sure with whom you would like to work, please contact Student Coordinator, Arianne Marcoux, to set up a preliminary meeting with the Clerkship Director, Dr. Torres, to discuss your interests and review possible options.

Previous rotating students have been able to get abstracts accepted in National and International meetings, present their posters, and even publish articles. Therefore, we feel that this opportunity would help students interested in pursuing a career in any of the neuro-related residencies, including Neurology, Neurosurgery, Neuroradiology, Neuropathology, etc.

FACULTY: Drs. Bertoni, Bhatti, Fayad, Fernandes, Frankel, Gonzalez, Gress, Hellman, Kedar, Madhavan, McLaughlin, Murman, Piccione, Rizzo, Taraschenko, Thaisetthawatkul, Torres-Russotto, and Zabad.
OBSTETRICS AND GYNECOLOGY

Carl V. Smith, M.D., Chair, UT 5248H
Contact Faculty: Karen Carlson, M.D.
Undergraduate Coordinator, Katherine Williams, UT 4105, 402-559-8133

OBYG-710 Advanced Outpatient Obstetrics and Gynecology
Karen Carlson, M.D.
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: UT 4105
Contact: Katherine Williams kg.williams@unmc.edu, 402-559-8133

This course is NOT available to visiting students.

General obstetrics and gynecologic clinic experience. Conferences are held with the faculty to discuss special problem areas in obstetrics and gynecology. This elective does not include participation in inpatient activities.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>0</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>4</td>
</tr>
<tr>
<td>Independent learning</td>
<td>8</td>
</tr>
<tr>
<td>Research project</td>
<td>Opportunities available upon request.</td>
</tr>
<tr>
<td>Outpatient Clinic</td>
<td>24</td>
</tr>
</tbody>
</table>

OBYG-720 Advanced Inpatient Obstetrics
Paul G. Tomich, M.D.
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: UT 4105
Contact: Katherine Williams kg.williams@unmc.edu, 402-559-8133

This is a Nebraska Medical Center Hospital inpatient service at an advanced level emphasizing obstetrics, designed to increase individual competence. There is daily participation in staff seminars and teaching activities. The experience includes both hospital and outpatient experiences in both the normal and high-risk obstetrical cases. Call opportunities are available based on the M3 schedule.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>10</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>3</td>
</tr>
<tr>
<td>Independent learning</td>
<td>4</td>
</tr>
<tr>
<td>Research project</td>
<td>4</td>
</tr>
<tr>
<td>Outpatient Clinic</td>
<td>16</td>
</tr>
<tr>
<td>Surgery</td>
<td>18</td>
</tr>
</tbody>
</table>

OBYG-721 Gynecologic Oncology
Steve Remmenga, M.D.
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: UT 4105
Contact: Katherine Williams kg.williams@unmc.edu, 402-559-8133

A Nebraska Medical Center Hospital service including both inpatient and outpatient activities. Students will evaluate patients in clinics, assist with operative procedures, and participate in daily rounds on gynecologic oncology patients. Students will also participate in conferences including tumor board and GYN cancer conference, and Pathology conference. A presentation on a relevant topic chosen by the student is required during the rotation, or a case report for publication.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>10</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>3</td>
</tr>
<tr>
<td>Independent learning</td>
<td>4</td>
</tr>
<tr>
<td>Research project</td>
<td>4</td>
</tr>
<tr>
<td>Outpatient Clinic</td>
<td>16</td>
</tr>
<tr>
<td>Surgery</td>
<td>18</td>
</tr>
</tbody>
</table>
OBGY-722 Reproductive Endocrinology and Infertility
Victoria Maclin, M.D.
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Heartland Center for Reproductive Medicine – 7308 So. 142nd Street, Omaha, NE
Contact: Katherine Williams kg.williams@unmc.edu, 402-559-8133

This elective is not available to visiting students.

Students on this rotation will work mainly at the Heartland Center. This is mainly an outpatient service; however, surgical procedures and hospitalized patients make up a portion of the experience. Students will evaluate patients, assist with operative procedures, participate in hospital rounds as indicated and participate in weekly conferences in the Department of Obstetrics and Gynecology. A presentation on a relevant topic chosen by the student is encouraged during the rotation.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>Varies with patient need</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>4</td>
</tr>
<tr>
<td>Independent learning</td>
<td>4</td>
</tr>
<tr>
<td>Outpatient clinic</td>
<td>24</td>
</tr>
<tr>
<td>Surgery</td>
<td>8</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
</tbody>
</table>

OBGY-725 Maternal Fetal Medicine
Paul G. Tomich, M.D.
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: UT 4105
Contact: Katherine Williams kg.williams@unmc.edu, 402-559-8133

A Nebraska Medical Center service including both inpatient and outpatient activities. Students will evaluate patients in clinics, assist in ultrasound evaluation of patients as assigned, assist with operative procedures and participate in daily rounds on the Maternal Fetal Medicine service. Students will also participate in conferences including Perinatal Conference, Grand Rounds and Case Conferences on a weekly basis. A presentation on a relevant topic chosen by the student is encouraged during the rotation.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>8-10</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>4-8</td>
</tr>
<tr>
<td>Outpatient clinic</td>
<td>16</td>
</tr>
<tr>
<td>Research project</td>
<td>Dependent upon student participation</td>
</tr>
</tbody>
</table>
OGBY-726  Ultrasound  
Paul G. Tomich, M.D.  
Periods Offered: Each four weeks  
Student Limit: 1  
Where to Report: UT 4105  
Contact: Katherine Williams kg.williams@unmc.edu, 402-559-8133  

An outpatient ultrasound experience working with the sonographers and MFM physicians in the Prenatal Diagnostic Center at the Olson Center for Women’s Health. Students will learn basic ultrasound skills which will include hands on scanning including one to two genetic counseling appointments with ultrasound each week. A presentation on an ultrasound topic chosen by the student and presented at Perinatal Conference the third or fourth week of the rotation is encouraged.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>0</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>12-16</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>0</td>
</tr>
<tr>
<td>Outpatient ultrasound</td>
<td>16-24</td>
</tr>
<tr>
<td>Surgery</td>
<td>0</td>
</tr>
</tbody>
</table>

OGBY-760  Off-Campus Obstetrics and Gynecology Elective  
Karen Carlson, M.D.  
Periods Offered: Each four weeks  
Student Limit: Must be pre-arranged  

This course is NOT available to visiting students.

Electives in other geographical teaching settings. Sites for training include other University programs, private hospital residency programs or Indian Health Service Hospitals (Phoenix, Arizona; Gallup, New Mexico). An Off-Campus Elective Application form must be submitted for this experience.
OPHTHALMOLOGY

Chair/James Gigantelli, M.D.
Lilibeth Goode, Curriculum Clerk
Truhlsen Eye Institute – 3902 Leavenworth Street
402-559-5379

OPHT-720 Clinical Ophthalmology
Dr. Shane Havens - UNH/OVAH
Periods Offered: Each four weeks
Student Limit: 2
Where to Report: Truhlsen Eye Institute, 3902 Leavenworth Street, 8:00 a.m.
For additional information, contact Lilibeth Goode at lgoode@unmc.edu or 402-559-5379.

This elective in Clinical Ophthalmology will include experience in all areas of general ophthalmologic diagnosis and therapy. Within this wide field, the following areas will receive particular emphasis:

1. Ophthalmic history taking and its correlation with the general medical history;
2. Functional evaluation of the visual system including determination of near and distance visual acuity, visual field, color vision and other testing procedures designed to detect dysfunction of any components of the visual system;
3. Direct examination of the visual system including pupillary exam, measurement of intraocular pressure, the use and limitations of slit-lamp, direct and indirect ophthalmoscopy; and
4. Observation and participation in ocular surgical procedures.

The goal of this program is to lay a firm foundation of basic knowledge and diagnostic skill, which will aid the non-ophthalmologist in evaluating disease processes of the eye, adnexa, and visual pathways. Such knowledge will make ophthalmic disorders or ophthalmic manifestations of systemic diseases.

Activity | Hours/Week
--- | ---
Clinical patient care | 30
Rounds | 1
Didactic conferences | 4
Independent learning | 0
Research project | 0
Independent patient care | 5-6
Surgical Observation | 4-6

OPHT-725 International Ophthalmology Elective
Faculty Contact: Michael R. Feilmeier, M.D.
Prerequisite: 2 week Ophthalmology rotation (under Surgery Clerkship in M3 year) OR OPHT-720 Clinical Ophthalmology (senior level four week elective)

For additional information, contact Jessica Feilmeier, International Division Development Director at 402-305-2852.

This course is NOT available to visiting students.

The International Ophthalmology Elective is intended to provide fourth year medical students with an interest in International Health and/or Ophthalmology with a one month elective experience in the developing world. Students will spend one month at Tilganga Institute of Ophthalmology in Kathmandu, Nepal working side-by-side with residents and faculty. Students will spend time in lecture, clinic, surgery, and outreach clinics and surgical campus learning the nuances of eye care delivery in the developing world.
Students will be assessed based upon:
1. An exit interview with the medical director of the international division of ophthalmology.
2. A 2-page essay summary of their elective experience.
3. A student performance assessment to be completed by the Medical Director of the Tilganga Institute of Ophthalmology.

OPHT-740 Ophthalmology/Otolaryngology Elective
Dr. Shane Havens (Ophthalmology)
Periods Offered: Each four weeks EXCEPT July or August (not offered then)
Student Limit: 2
Where to Report: Varies – Contact Lilibeth Goode at lgoode@unmc.edu or 402-559-5379

This course is NOT available to visiting students.

This is a combined elective within the Departments of Ophthalmology and Otolaryngology/Head and Neck Surgery. The student will rotate through both departments. The rotation is designed for students entering other specialties. It will lay the foundation of basic knowledge and diagnostic skills to aid the student in their specialty of choice. Students completing the rotation will be able to manage the common problems within each specialty and also be able to recognize those problems requiring specialty referral. The student will be able to treat those problems appropriate for a primary care physician. The student will be able to recognize those problems which necessitate referral to the appropriate specialist.

Further rotation details are found in the four week elective (OPHT-720 Clinical Ophthalmology) and (ORL-720 Otolaryngology) course descriptions.

OPHT-760 Off-Campus Elective in Ophthalmology
Periods Offered: Each four weeks
Student Limit: By Arrangement

This course is NOT available to visiting students.

An Off-Campus Elective Application form must be submitted for this. (See Off-Campus Elective Application procedures.)

OPHT-790 Research in Ophthalmology
Periods Offered: By Arrangement
Student Limit: By Arrangement

This course is NOT available to visiting students.
ORTHOPAEDIC SURGERY AND REHABILITATION

Chair/KEVIN L. GARVIN, M.D.
Academic Coordinator/CURTIS W. HARTMAN, M.D.
Gerianne Miller, Curriculum Coordinator
Lauritzen Outpatient Center, 4th floor Rm 4-14-043
Phone: 402-559-2258

ORTH-722 Orthopaedic Surgery
Periods Offered: Each four weeks
Where to Report: Please call or email Geri Miller 402-559-2258 or (g Miller@unmc.edu) a week prior to first day to confirm time/location to report
This elective must be pre-arranged with Geri Miller at gmiller@unmc.edu. For additional information please contact Geri Miller.
Student Limit: 7

Black Team (Hand and Upper Extremity) – 1 student
Blue Team (Spine) – 1 student
Gold Team (Adult Reconstruction) – 2 student
Green Team (Trauma) – 2 student
Red Team (Sports/Shoulder & Upper Extremity/Musculoskeletal Oncology) – 1 student

Faculty per team:

Black Team – (Hand and Upper Extremity): Drs. Philipp Streubel, Joseph Morgan, and David Rhodes

Blue Team (Spine): Drs. Chris Cornett and Scott Vincent

Gold Team – (Adult Reconstruction): Drs. Kevin Garvin, Curtis Hartman and Beau Konigsberg

Green Team – (Trauma): Drs. Matthew Morimino, Justin Siebler, and Miguel Daccarett

Red Team – Dr. Mark Dietrich (Sports), Dr. Matthew Teusink (Shoulder and Upper Extremity), and Dr. Sean McGarry (Musculoskeletal Oncology)

Objectives:
- Learn clinical evaluation of musculoskeletal disease in outpatient setting
- Understand basic principles of surgical treatment of orthopaedic conditions
- Gain experience in management of orthopaedic patients in inpatient setting
- Become familiar with literature on one orthopaedic topic of interest and present “grand rounds style presentation on this topic

Clinical Expectations:
Student is to independently interview and examine patients in clinic. Present cases to staff in resident style.
- Minimum 4 presentations per rotation

Operating Room Expectations:
The student is to read ahead and prepare for cases he/she will be involved in.
- Student should be familiar with surgical approaches and anatomy specific to team and cases they are involved in.

Conference Schedule:
- Students will attend all resident and didactic teaching conferences
- Five medical student focused didactic lectures
  - One for each service given by faculty members
• Case based presentation on topic of choice picked by student and assigned teach faculty
  o 10 min. max.
  o General outline
    ▪ 3 min. case presentation with images
    ▪ 5 min. background and literature review
    ▪ 2 min. discussion

Activity          Hours/Weeks
Rounds            5
Didactic conferences 10
Independent learning  Varies
Clinic             16-20 hours
Surgery            16-20 hours

ORTH-723  Pediatric Orthopaedic Service
Periods Offered: Each four weeks
Where to Report: Varies – Contact Stephanie Jensen at sjensen@childrensomaha.org or 402-955-6317 for details.

This course is NOT available to visiting students.

This elective must be pre-arranged with Stephanie Jensen in Pediatric Orthopaedic at sjensen@childrensomaha.org or 402-955-6317.

For additional information please contact Stephanie Jensen at sjensen@childrensomaha.org or 402-955-6317.

Student Limit: 1

The purpose of this course is to introduce the interested student to the intricacies and problems associated with care of the child with musculoskeletal problems. Pediatric Orthopaedic Surgery has become a unique subspecialty of orthopaedics, and thus those students interested in further study of the care of children and/or orthopaedics will find this rotation most beneficial.

Activity            Hours/Week
Rounds              4
Didactic conferences 3
Independent learning 6
Research project     Variable
Clinic              16-20
Operating Room      16-20

ORTH-762  Off-Campus Orthopaedic Surgery Elective

This course is NOT available to visiting students.

An Off-Campus Elective Application form must be submitted for this experience. Geri Miller must sign off on the off-campus elective application form on behalf of orthopaedic surgery.

ORTH-799  Orthopaedic Surgery Research

This course is NOT available to visiting students.

This rotation is no longer available unless special arrangements are made with a UNMC Orthopaedic Surgery Faculty Member and our Clinical Research Nurse, Dana Schwarz. If interested in an orthopaedic surgery research month, please contact the appropriate faculty member and Dana Schwarz (phone: 402-559-4167 or dschwarz@unmc.edu) to schedule.
OTOLARYNGOLOGY – HEAD AND NECK SURGERY

Chair/Dr. Dwight T. Jones
Vanessa Larson, Residency Program Coordinator
3110 University Hospital
402-559-7005

The purpose of the elective in Otolaryngology is to acquaint the student with the diagnostic scope and surgical problems relative to the specialty. It is estimated that 50% of the patients in general medicine present with symptoms of ENT origin. It is hoped that the time spent in this department will teach you a systematic approach to the office management of common ENT problems, as well as recognition of those problems requiring surgical referral.

Your responsibility while on the elective will be primarily to the Chief Resident, but any of the residents may direct you to a specific patient problem and all will be involved in teaching.

You are expected to be present for both morning and evening rounds, as well as all scheduled and teaching conferences. The latter deal with basic medicine, anatomy and physiology related to the head and neck area; they provide good information for general patient care. Adequate time for reading is available and it is suggested that you utilize this for directed reading on a specific topic or for general information. The curriculum clerk will provide the text and syllabus.

Patient care and responsibility during the elective will depend upon the available material, as well as your interest and initiative. Specific diagnostic and preoperative workups will be assigned by the Chief Resident, hopefully to include a range of different problems. If you are interested in a specific area, tell the resident, and they will assist you in its evaluation. Your primary responsibility is clinical but as surgical cases are assigned, you will be expected to follow through with the patient, including observation in the operating room. Additional time spent in the operating room should be with the approval of the resident in charge of the clinic. For an inpatient experience designed for those interested in surgery, the Head and Neck/Plastics Service is available. General ENT services provide more outpatient emphasis.

ORL-720  Otolaryngology Clerkship

Staff
Periods Offered: Each four weeks
Student Limit: 6 – University Hospital; 2 assigned to VA Hospital
Where to Report: Tumor Board Conference – 7:00 a.m. Radiology Conference Room 08191

The student is closely involved with all facets of Otolaryngology, gaining a view of the scope of the field. Evaluations of patients, diagnostic considerations and management approaches are emphasized. The student will participate in all of the activities of the department, including clinical responsibilities, operations and formal teaching exercises.

NOTE: One week of the elective may be spent at the VA ENT Clinic and operating room with the other three weeks at UNH.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>5</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>3</td>
</tr>
<tr>
<td>Independent learning</td>
<td>5</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>5</td>
</tr>
<tr>
<td>Surgery</td>
<td>10-20</td>
</tr>
</tbody>
</table>
ORL-760    Off-Campus Elective in Otolaryngology
Periods Offered: By Arrangement
Student Limit: By Arrangement

This course is NOT available to visiting students.

The student may choose to spend elective time in Otolaryngology off-campus. Opportunities both within Nebraska as well as other departments should be discussed and arranged with the approval of the Otolaryngology staff. An Off-Campus Elective Application form must be submitted for this experience. (See Off-Campus Elective Application procedures.)

ORL-799    Research in Otolaryngology
By Arrangement with the Department Chairman.

This course is NOT available to visiting students.
PATHOLOGY AND MICROBIOLOGY

Chair/Dr. Steven Hinrichs
(Clinical)/Dr. Subodh Lele
Kim Curry, Office Associate
3545 MSB
402-559-7212

Students must make arrangements with Kim Curry (Room 3545 MSB, 402-559-7212) before signing up for ANY Pathology electives.

PAMM-720 Anatomic Pathology
(Includes Surgical Pathology, Cytopathology and Autopsy Pathology)
Pathology Faculty
Periods Offered: Each month
Student Limit: 3 (By Arrangement)
Where to Report: Room 3545 Medical Services Building

The M4 student enrolled in this program rotates through the following four divisions of the department: Surgical Pathology, Cytopathology, Hematopathology and Autopsy Pathology. The pathology faculty, fellows and residents teach and supervise the M4 students during this experience. The program duration for each M4 student is one month. We typically take two M4 students each month and can in some situations expand the program to accommodate 1-2 additional students. Students spend a week on each of the three services (Surgical Pathology, Cytopathology, and Hematopathology) with the option of observing an autopsy at any time during the rotation.

While on the surgical pathology service, the students spend half of their time in the gross room assisting the pathology resident in the gross examination and processing of surgical specimens. They spend the other half of their time microscopically examining surgical specimens with a staff pathologist and resident. While on the cytology service, the student is involved with the microscopic examination of both gynecologic (GYN) and non-GYN cytology specimens with a staff pathologist and in observing fine needle aspirations (FNA) performed by staff pathologists. Students also participate on the autopsy service where they assist the resident pathologist in performing autopsies. The students are expected to attend all of the 8-9 a.m. resident teaching conferences. The students are also expected to attend one interdisciplinary conference per week. At the end of the rotation, the student is required to give a 15-20 minute presentation to the residents and staff pathologists on an anatomic pathology topic of their choice. Evaluation is based on attendance and participation in the rotation activities and conferences as well as on case presentations and the formal presentation at the end of the rotation. The program director is Dr. Subodh Lele.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>0</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>8</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>0</td>
</tr>
<tr>
<td>Gross &amp; Microscopic</td>
<td>25</td>
</tr>
<tr>
<td>Examination of specimens</td>
<td></td>
</tr>
<tr>
<td>Preparation of required</td>
<td>3</td>
</tr>
<tr>
<td>Presentation</td>
<td></td>
</tr>
<tr>
<td>Participation in Interdisciplinary Conferences</td>
<td>1</td>
</tr>
</tbody>
</table>
PAMM-760   Off-Campus Pathology Elective
By Arrangement with Dr. Lele

This course is NOT available to visiting students.

An Off-Campus Elective Application Form must be submitted for this experience.

PAMM-799   Special Topics
Pathology Staff
Periods Offered:   By Arrangement with Dr. Lele and the Staff Pathologist in charge of the
specialty area
Student Limit:  1 per specialty

Visiting Students MUST apply through VSAS and may add a specialty interest by attaching a
document in VSAS with their selection.  DO NOT CONTACT STAFF.

Students interested in specific aspects of pathology or desiring a background in pathology for a
clinical specialty may undertake intensive study with the staff pathologist(s). The department faculty
has diverse interests to compliment the needs of most students. These rotations may be tailored to
include clinic-pathologic study, or basic research.

Students will be expected to attend appropriate resident conferences and interdisciplinary
conferences related to the specialty area they are studying as agreed upon by their supervising
faculty. Independent study may also be arranged with pathology faculty not listed here.

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiovascular Pathology</td>
<td>Dr. Radio</td>
</tr>
<tr>
<td>Clinical Chemistry</td>
<td>Dr. Sofronescu</td>
</tr>
<tr>
<td>Cytology</td>
<td>Drs. Baker, Bridge, Lele, and Radio</td>
</tr>
<tr>
<td>Dermatopathology</td>
<td>Dr. DiMaio</td>
</tr>
<tr>
<td>ENT</td>
<td>Drs. Baker and Swanson</td>
</tr>
<tr>
<td>Flow Cytometry</td>
<td>Dr. Pirruccello</td>
</tr>
<tr>
<td>Gastrointestinal Pathology</td>
<td>Drs. Lazenby, Talmon, Cohen, and Swanson</td>
</tr>
<tr>
<td>Gynecologic Pathology</td>
<td>Drs. Lele and Tseng</td>
</tr>
<tr>
<td>Hematopathology</td>
<td>Drs. Greiner, Fu, Qureishi, Yuan and Amador</td>
</tr>
<tr>
<td>Immunopathology</td>
<td>Dr. Johnson</td>
</tr>
<tr>
<td>Lung</td>
<td>Drs. Lele, Swanson and Punsoni</td>
</tr>
<tr>
<td>Microbiology</td>
<td>Drs. Fey (Director), Hinrichs, Iwen</td>
</tr>
<tr>
<td>Molecular Pathology</td>
<td>Drs. Cushman-Vokoun, Greiner, Bridge</td>
</tr>
<tr>
<td>Neuropathology</td>
<td>Drs. McComb, and Punsoni</td>
</tr>
<tr>
<td>Public Health Microbiology</td>
<td>Drs. Iwen, Fey, Hinrichs</td>
</tr>
<tr>
<td>Renal Pathology</td>
<td>Drs. Foster, Talmon</td>
</tr>
<tr>
<td>Soft Tissue</td>
<td>Drs. Bridge, and DiMaio</td>
</tr>
<tr>
<td>Transfusion Medicine</td>
<td>Dr. Koepsell</td>
</tr>
<tr>
<td>Transplantation Pathology</td>
<td>Drs. Wisecarver, Radio</td>
</tr>
<tr>
<td>Urologic Pathology</td>
<td>Dr. Lele</td>
</tr>
<tr>
<td>Virology</td>
<td>Dr. Hinrichs</td>
</tr>
<tr>
<td>Microbiology</td>
<td>Drs. Hinrichs, Iwen</td>
</tr>
<tr>
<td>Genetic abnormalities in bone and soft</td>
<td>Dr. Bridge</td>
</tr>
<tr>
<td>tissue tumors</td>
<td></td>
</tr>
<tr>
<td>Biomolecular immunology,</td>
<td></td>
</tr>
<tr>
<td>lymphotropic viral oncogenesis</td>
<td></td>
</tr>
<tr>
<td>and psychoneuroimmunology</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PEDS-722 Pediatric Cardiology and Cardiovascular Disease
Dr. Howare Hsu
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Cardiology Offices – 4th Floor Pavilion, Children’s Hospital and Medical Center

This course is NOT available to visiting students.

This elective is intended for students desiring to further their knowledge of congenital heart disease. It should be especially useful for those who will practice pediatrics, family medicine, thoracic surgery or internal medicine. The student on Pediatric Cardiology spends time in the pediatric outpatient clinic with each of the several pediatric cardiologists on faculty. The average number of residents on the elective is two per month. There are over 1,200 outpatient visits to the pediatric cardiology clinic yearly, of which 480 patients are new. There is an average of 5 or 6 outpatient sessions per week with approximately 8 patients per session. The student sees the patient simultaneously with the staff cardiologist. The student on the elective will be required to research a cardiology topic in-depth and deliver a 20-minute oral presentation to the cardiology staff.

Activity                         Hours/Week
Rounds (Clinic)                  33
Didactic conferences            5
Independent learning            2
Research project                0
Independent patient care        0

PEDS-724 Pediatric Emergency Medicine
Dr. Lisa White
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Pediatric Emergency Room at Children’s Hospital (Please contact Dr. White at lwhite@childrensomaha.org 1-2 days prior to rotation to let the student know whom will be his/her provider contact).

This course is NOT available to visiting students.

The purpose of this elective is to provide students with practical experience in pediatric emergency medicine and urgent care centers. The experience gained through this elective will enable the students to understand what it means to practice in this type of environment, which will help them determine if it is an appropriate career choice. Under the guidance of board certified pediatricians and emergency medicine physicians, the students will see a broad spectrum of patient problems.

Activity                         Hours/Week
Rounds (Shifts)                  14/month
Didactic conferences            2
Independent learning            6
Research project                0
Independent patient care        0
PEDS-726 Pediatric Hematology Oncology and Bone Marrow Transplantation
Dr. James Harper
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: T.B.A.

This elective in Pediatric Hematology/Oncology and Bone Marrow Transplantation will encompass the activities of the program at both the University of Nebraska Medical Center and at Children’s Memorial Hospital and Medical Center-Omaha. One half of the month is spent at each location. During the UNMC/NM block you will round on BMT patients, see new Hematology/Oncology consults and participate in the Hem/Onc and BMT clinics. The block spent at CHMC is in the outpatient clinic. You will be asked to see new consults and to participate in outpatient activities.

Students desiring to spend additional time can have the opportunity to participate in clinical and laboratory research or have in-depth involvement in the transplantation program.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>30</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>5</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>0</td>
</tr>
</tbody>
</table>

PEDS-727 Human Cytogenetics
Dr. Jennifer Sanmann
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Human Genetics Office

The goal of this course is to familiarize students with cytogenetic, FISH, microarray, and molecular genetic procedures, nomenclature, and reporting.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>0</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>1</td>
</tr>
<tr>
<td>Independent learning</td>
<td>19</td>
</tr>
</tbody>
</table>

PEDS-728 Newborn Medicine
Dr. Ann Anderson-Berry
Periods Offered: Each four weeks
Student Limit: 2 – 3 with approval from Dr. Anderson-Berry
Where to Report: Neonatal ICU (The Nebraska Medical Center)

The student will serve as a sub-intern under the supervision of a staff neonatologist and the pediatric house officer. The student will be exposed to the critical care of sick and high risk neonates and the convalescent care of recovering, growing neonates. Emphasis will be placed on resuscitation of the high risk infant, recognition of signs and symptoms and neonatal illness with the formation of a differential diagnosis and treatment plan; monitoring of physiologic parameters; calculation of fluid, electrolyte and nutrition requirements; assessment of blood gasses and respiratory treatment strategies. The student will have the opportunity to participate with staff and house staff in minor procedures. Scheduling and assignment will be as per house staff and attending neonatologist. Didactic instruction will be provided through daily rounds, conferences, and lectures. There is an average of 45 new admissions per month with an average of 24 patients per day. There is an opportunity for overnight call.
PEDS-729  Pediatric Endocrinology
Dr. Kevin Corley
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Pediatric Endocrinology Clinic, 8200 Dodge Street

This elective provides the student with experience in diagnostic problems of growth, pubertal development, thyroid dysfunction and adrenal disorders in both inpatient and outpatient settings. Further experiences can be gained in disturbances of carbohydrate metabolism. The student will be responsible for the daily care of inpatients, endocrine consultations and implementation of tolerance tests with the supervision of the staff.

PEDS-730  Pediatric Gastroenterology
Dr. Rubin Quiros
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Children's GI Clinic

The student will:

- Become broadly familiar with gastrointestinal pathophysiology in infants, children and adolescents;
- Assist in evaluation of patients with gastrointestinal, hepatobiliary and nutritional disorder;
- Participate in gastrointestinal procedures; and
- Gain some expertise in interpretation of gastrointestinal histopathology.

Students will learn to evaluate pediatric patients with chronic and infectious diarrhea, abdominal pain, constipation, malabsorption, inflammatory bowel disease, gastrointestinal infections, Hirschsprung’s disease, neonatal cholestatis, growth failure, chronic vomiting and liver disease. Students will develop an understanding of gastrointestinal physiology and development. Basic principles of enteral and parenteral nutrition in Pediatrics will be reviewed. The student will participate in the care of both hospitalized and ambulatory patients at Children’s Hospital and Outreach Clinics. The student may choose to emphasize inpatient and outpatient activities based upon his/her experiences and individual career goals and needs. Teaching rounds are performed on a daily basis. The medical student would work closely with pediatric house officers as well as the attending. No night call will be taken by the student.
PEDS-731  Genetics and Metabolic Disease
Dr Louis Starr
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Call 402-559-3602 for instructions

The student will be helped to develop skills in diagnosing, managing and counseling patients with inherited and acquired disorders of metabolism, genetic defects and congenital malformations. At the end of the rotation, the student should:

- Be able to identify the more common pediatric syndromes and associations;
- Be familiar with major etiologic categories of congenital anomalies;
- Be adept at obtaining a family history (3rd generation pedigree);
- Be familiar with the unique features of a dysmorphologic examination;
- Understand the nature of non-directive counseling;
- Know the major psychosocial, ethical and legal implications of genetic testing and counseling;
- Present a short (10 minute) report and discussion of a genetic disorder, metabolic condition or congenital anomaly.

Activity            Hours/Week
Rounds/Clinics      22
Didactic conferences 4
Independent learning 8
Research project    6

PEDS-732  Pediatric Pulmonology (including cystic fibrosis)
Dr. Heather Thomas
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: E-Mail Heather Thomas, M.D. at hthomas@childrensomaha.org

The pediatric Pulmonology clinic meets 2 half days per week. In these clinics, the student, under the supervision of the staff, evaluates new and follow-up patients with all forms of pediatric lung diseases. Approximately 40% of these patients have cystic fibrosis and are followed for routine care. The remainder includes a significant number of patients with asthma, recurrent pneumonia, chronic cough, tuberculosis, recurrent aspiration pneumonias and many other assorted disorders. The student will learn to perform and interpret basic pulmonary function tests. Inpatient rounds are made daily with the staff on patients hospitalized for cystic fibrosis or other pulmonary disease. Consultations are performed on other services’ patients with pulmonary conditions.

Activity            Hours/Week
Rounds             36
Didactic conferences 5
Independent learning 0
Research project 0
Independent patient care 0
PEDS-734 Clinical Pediatric Neurology
Dr. Paul Larsen
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Reporting instructions are sent by e-mail prior to the start of the rotation.

This course offers students clinical pediatric neurology experience with specific focus on evaluation, diagnosis and treatment of the neurological diseases in children from conception to the adult state under close supervision of the faculty. The goal of this four-week elective is to provide the student with the clinical experience of evaluating children with neurological disorders and thereby acquire skills necessary to perform the pediatric neurologic exam and to develop a diagnostic and therapeutic approach to common neurologic problems in children.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>35</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>2</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>0</td>
</tr>
</tbody>
</table>

PEDS-735 Infectious Disease
Dr. Jessica Snowden
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: E-mail Raven VonBehren at rvonbehren@childrensomaha.org.

This elective provides the student with an opportunity for in-depth study of clinical and laboratory aspects of infections in children. Students will be expected to read a course syllabus and will be asked to present one or more interesting cases at scheduled conferences. Students will learn to evaluate neonates, infants and children with a wide range of infectious diseases. This is primarily an inpatient experience with about 10% of patients seen in the outpatient clinic. Students are required to see all new consults initially with residents or fellows. The students perform a complete workup and assessment, then present their findings and recommendations to the attending physician on daily rounds. Three laboratory tutorial sessions are taught during the month, each lasting 1 ½ to 2 hours. In addition, rounds are made each day in the microbiology laboratory and students are responsible for monitoring all ongoing microbiology test/results. Students are required to do considerable outside reading on their patients’ illnesses. A selected reading list is provided to all students at the beginning of the rotation and students are responsible for all the material therein. Regular “Journal Club” sessions are held throughout the month to discuss selected chapters from Infectious Diseases of Children.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>40</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>5</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>0</td>
</tr>
</tbody>
</table>
PEDS-736 Developmental Pediatric Practicum  
Dr. Cindy Ellis  
Periods Offered: Each four weeks  
Student Limit: 1  
Where to Report: T.B.A.

This elective will provide the student with an orientation to Developmental Behavioral pediatrics through both clinical and didactic experiences. The student will observe comprehensive interdisciplinary patient evaluations and summary conferences, longitudinal patient follow-up, attend core curriculum presentations, and receive experience in the use of diagnostic screening techniques such as the Bayley Scales of Infant Development. The student will become familiar with the role of the physician in the diagnosis, evaluation and clinical care of children and youth with developmental disabilities and chronic handicapping conditions.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>30</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>10</td>
</tr>
<tr>
<td>Research project</td>
<td>2</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>0</td>
</tr>
</tbody>
</table>

PEDS-737 Pediatric Rheumatology  
Dr. Adam Reinhardt  
Periods Offered: Each four weeks  
Student Limit: 1  
Where to Report: Information will be e-mailed prior to the first day.

This course is NOT available to visiting students.

The purpose of this elective is to provide students with practical experience in pediatric rheumatology. The experience gained through this elective will enable the student to diagnose and manage pediatric patients with rheumatologic disorders in primarily an outpatient setting although students will be involved in select inpatient consults. Under the guidance of a board certified rheumatologist, the student will see a broad spectrum of patient problems ranging in age from toddler to young adulthood. Students will be expected to present a topic of their interest the last week of the rotation and will participate in pre-test and post-testing to evaluate growth and identify areas of strengths and weaknesses.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>30</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>5</td>
</tr>
<tr>
<td>Independent learning</td>
<td>5</td>
</tr>
<tr>
<td>Research project</td>
<td>0</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>0</td>
</tr>
</tbody>
</table>
PEDS-742  Pediatric Nephrology
Dr. Terri Mauch
Periods Offered:  Each four weeks
Student Limit:  1
Where to Report:  Call Debbie at 402-559-8851

The student will become familiar with pediatric aspects of genito-urinary tract disease; specifically;

- Medical management of congenital renal or G-U anomalies;
- Acute and chronic urinary tract infections;
- Evaluation of asymptomatic proteinuria and hematuria including urine sediment examination;
- Evaluation and therapy of hypertension;
- Medical management of acute or chronic renal failure including dialysis
- Management of acute or chronic glomerulonephritis.

The medical student will receive journal articles regarding common pediatric nephrology problems. Reading of pertinent sections of current pediatric textbooks is also recommended. Independent research and reading regarding nephrology patient problems will be expected.

Activity    Hours/Week
Rounds    30
Didactic conferences  2
Independent learning  8
Research project  0
Independent patient care  0

PEDS-750  Honors Pediatrics
Dr. David Finken
Periods Offered:  July, March, and October
Student Limit:  2
Where to Report:  Dr. Finken's Office
Prerequisite:  Matching in Pediatrics or Medicine/Pediatrics

This course is NOT available to visiting students.

The purpose of this rotation is to engage the student interested in pediatric medicine in a variety of activities that will improve the student’s ability to evaluate pediatric problems and formulate a thorough problem list, differential diagnosis for each problem, and a logical management plan. Additionally, the student will gain experience that will prepare them for a pediatric residency. This rotation is geared toward self-learning and improving one’s ability to think critically.

These general objectives will be achieved through the following activities or tasks:

- Case tutorials with Dr. Finken;
- Attending conferences such as the Patient Management Conference and Pediatric Grand
- Writing a reflection paper
- Develop a plan to maintain and foster personal happiness and balance during residency by discussion and reading “The Intern Blues”

Activity    Hours/Week
Tutorials    10
Didactic conferences  3
Independent learning  5
Paper    1
PEDS-751 Pediatrics Subinternship
PICU: Dr. Kelly Kadlec (CMH)
Wards: Dr. Stephen Dolter
Wards: Dr. Arwa Nasir (UNMC)
Periods Offered: Each four weeks
Student Limit: 1 per track
Where to Report: Information will be e-mailed prior to the first day.
Prerequisite: By Invitation Only and Matching in Pediatrics or Medicine/Pediatrics

This elective is NOT available to visiting students.

This senior pediatric elective is an opportunity for medical students to receive hands-on experience in a wide variety of hospitalized pediatric patients. One track is that the student will function as a sub-intern for critically ill pediatric patients at Children’s Hospital. The other option is for the student, functioning as a sub-intern, to admit, evaluate, manage and discharge patients on the wards at Children’s Hospital in a rotating fashion with pediatric interns. This will be done under the guidance and supervision of the senior pediatric resident and the attending physician. Admissions will be assigned to maximize the student’s exposure. The student will be expected to take in-house night call.

Activity | Hours/Week
--- | ---
Rounds | 40+
Didactic conferences | 2
Independent learning | 0
Research project | 0
Independent patient care | 0

PEDS-760 General Pediatric Preceptorship
Periods Offered: Each four weeks
Student Limit: By Arrangement

This course is NOT available to visiting students.

Pediatricians throughout the state have expressed an interest in having medical students spend four or more weeks with them in their private office. You must contact the preceptor on an individual basis to reserve a time for this service.

A list of preceptors is available in the Department of Pediatrics from Joy Higgins at 402-559-9280.

PEDS-764 Off-Campus Pediatrics Elective with University Affiliation
Periods Offered: Each four weeks
Student Limit: None

This course is NOT available to visiting students.

Senior students may request credit for any off-campus program, which offers unusual opportunities in clinical or investigative pediatrics. Advance departmental approval is required. An Off-Campus Elective Application form must be submitted for this experience. (See Off-Campus Elective Application procedures.)
PEDS-766  Off-Campus Pediatrics in Non-University Location
Periods Offered: Each four weeks
Student Limit: None
Same as PEDS-764 exception for location

This course is NOT available to visiting students.

PEDS-796  Pediatric Research
Staff
Periods Offered: Each four weeks
Student Limit: By Arrangement

This course is NOT available to visiting students.

A student interested in participating in an ongoing active research area within the Department of Pediatrics may arrange with the appropriate faculty to devote an elective month to laboratory investigation. By registering for the Pediatric Research elective and a related clinical subspecialty elective in consecutive months, the student could arrange a flexible program permitting simultaneously enrolling for a graduate level course in a related basic science subject.
PSYCHIATRY

Chair/Steven P. Wengel, M.D.
Clerkship Director: Sharon Hammer, M.D.
Curriculum Coordinator: Stephanie Hansen, Poynter Hall, 4th floor

It is strongly recommended that students select electives in areas other than that in which they have had previous clerkship experience. Students desiring assistance in selecting electives and/or career planning should contact Stephanie Hansen at 402-552-6170/402-552-6235 to schedule an appointment with Dr. Hammer.

All electives must be pre-arranged with Stephanie Hansen (psychmeded@unmc.edu) and requested through OASIS.

PSYC-718 Stress Reduction Techniques for the Practicing Clinician
Periods Offered: July, August, September, October, January, February, and March.
Student Limit: 6 students per month
Staff: Drs. Brent Khan and Steven Wengel

This course is NOT available to visiting students.

This elective is intended to expose the student to stress reduction techniques that are currently used in mental health and can be used in a variety of medical settings. Some of the practices include meditation, guided imagery, biofeedback, and breathing and movement. These are among the best known and most widely used of the complementary, alternative or integrative approaches to healthcare. These modalities will prepare students to understand the power of self-awareness and self-care and determine its applicability to the clinical setting. Medical school is recognized as a stressful life event. A recently study has shown that 50% of medical student’s experience burnout and 10% have experienced suicidal ideation (Drybe et al. Burnout and suicidal ideation among U.S. medical students. Ann Intern Med 2008; 149:334–41.) This course is intended to provide the student an opportunity to understand the potential of stress reduction techniques as an integral part of whole-person care. It is not enough to hear about stress reduction and to read and comprehend the scientific basis for its efficacy. Rather, for students to appreciate their own capacities for self-awareness and self-care, students should experience and realize their own abilities.

PSYC-723 Adult Inpatient Psychiatry Sub-Internship
Drs. Jeana Benton at Lasting Hope Recovery Center or Matthew Egbert at UNMC Adult Crisis Unit
Periods Offered: Each four weeks
Student Limit: 2 students; 1 per service

This course is NOT available to visiting students.

This inpatient elective allows the student to build upon the foundation of clinical skills established during the third year psychiatry clerkship. The student will be involved in the assessment and treatment of adult patients with mental illness requiring inpatient stabilization in the UNMC Adult Crisis Unit or Lasting Hope Recovery Center. Students will be expected to work at a level similar to that of an intern / resident under the supervision of staff. Students may attend case conferences and Grand Rounds and participate in self-directed learning. Students selecting LHRC will be required to complete a urine drug screen (at no cost to the student) and additional paperwork.
PSYC-725  Child and Adolescent Psychiatry  
Dr. Maria McGee  
Periods Offered:  Each four weeks, EXCEPT November  
Student Limit:  1

This elective provides the student greater exposure to the subspecialty of child and adolescent psychiatry. Students will participate with faculty and therapists in outpatient care of this young patient population. Students will participate in the assessment of children and adolescents with a variety of psychiatric diagnoses by interviewing both patients and their caregivers, as well as forming differential diagnoses and bio-psychosocial treatment plans. This elective is intended for those considering a career field involving the treatment of children and adolescents and for those who would like to explore child and adolescent psychiatry as a career.

PSYC-727  Psychiatry Through the Lifespan  
Drs. Sharon Hammer, Maria McGee, and Steven Wengel  
Periods Offered:  Each four weeks, EXCEPT November, December, and January  
Student limit:  1

This outpatient psychiatry elective provides an interactive exposure to a diversity of patient populations with mental illness. The student will rotate through week-long experiences in children and adolescent psychiatry, women’s health / perinatal care, adult psychiatry and geriatric psychiatry. Patient care will primarily occur in the outpatient setting. Treatment therapies may include psychotherapeutic and psychopharmacological modalities. Students will have the opportunity to work with faculty and therapists in evaluating and treating patients. This elective allows the student an opportunity to expanding their psychiatric knowledge and skills.

PSYC-728  Community Mental Health  
Dr. Rashmi Ojha at Douglas County Community Mental Health Center  
Periods Offered:  Each four weeks  
Student Limit:  1

This course is NOT available to visiting students.

Douglas County Community Mental Health Center provides high quality, comprehensive mental health care for the under-served population of Douglas County. Students will have the opportunity to participate in inpatient care, day treatment and outpatient clinic. Our emphasis is on teaching through direct patient care. Students will be active members of the treatment team and their direct involvement in the treatment planning will be encouraged and expected. Students will develop advanced clinical skill in diagnosis and psychopharmacology through direct involvement in their care. This elective is helpful for students who have interest in psychiatry and desire to work with people in the community who have chronic mental illness.

PSYC-740  Consultation Liaison Psychiatry Sub-Internship  
Dr. Sharma  
Periods Offered:  Each four weeks  
Student Limit:  2

This course is NOT available to visiting students.

This elective provides exposure to medically ill patients with emotional / psychiatric problems with teaching emphasis on psychiatric diagnostic issues, acute treatment plans, short-term intervention techniques and supportive therapies. Readings, self-directed learning, daily rounds, case conferences and liaison with other medical staff in the emergency room and general hospital setting are all part of this elective. Students will be expected to participate in patient care at a level similar to an intern under the supervision of staff.
PSYC-760    Off-Campus Psychiatry Elective
Student Limit:  By Arrangement with Dr. Sharon Hammer through Stephanie Hansen

This course is NOT available to visiting students.

Off-Campus electives may be taken to broaden ones’ knowledge of psychiatry generally or to acquire types of experience not available here. Transcultural electives are encouraged. For suggestions concerning possible off-campus electives, contact Dr. Hammer. An Off-Campus Elective Application Form must be submitted for this experience. (See Off-Campus Elective Application procedures.)
RADIOLOGY

Chair/Dr. Craig Walker
Dr. Melissa Manzer/Student Coordinator
Tina Hunter, Curriculum Clerk
Room 1541 UMA
402-559-1018

To pre-arrange this elective contact:
Tina Hunter
Department of Radiology
thunter@unmc.edu
402-559-1018
University Tower 3: 1336

RADI-720 Diagnostic Radiology
Periods offered: Each four weeks EXCEPT December
This elective is NOT offered during the month of December.
Student Limit: 16
Where to Report: Room 1500 (Hunt Conference Room) at 8:30 a.m.
Students will be notified by letter prior to starting the rotation.

Daily observations of film interpretation, fluoroscopic examinations and interventional radiographic procedures. We will discuss plain film analysis of the abdomen and chest, terminology used with different modalities, radiation protection and the patient's experience of radiological tests. You will further learn by teaching your peers through unknown cases and presentations. With the cooperation of the instructor, emphasis can be directed to specialized areas such as pediatric radiology, cardiovascular radiology, ultrasounds, neuroradiology, musculoskeletal radiology, and GU radiology.

Students will be assigned at the University Hospital. You will receive your clinical schedule at the beginning of the rotation.

RADI-724 Nuclear Medicine
Faculty Contact – Dr. Jordan Hankins
Periods Offered: Must meet with faculty and given approval prior to elective
Student Limit: 1
Where to Report: University Hospital, 1st Floor – Nuclear Medicine Reading Room

This course is NOT available to visiting students.

This elective is directed towards acquainting the student with the field of Nuclear Medicine. The application of radionuclides to the diagnosis, treatment and/or investigation of human disease is surveyed with emphasis on clinical applications. The students receive didactic instruction in the principles and practice of pertinent nuclear physics and instrumentation. They will participate in case evaluation, procedure selection, radio-pharmaceutical dose calculation and administration, conduct the procedure, subsequent evaluation and analysis of data with patients. Integration of the consultative report into the total patient care is stressed.

Pertinent radiation biologic and radiation protection considerations are related to the conduct of the routine practice of nuclear medicine. Opportunity is available for the pursuit of individual interests within the overall framework of the elective. A specific investigational activity exploring an area of interest in greater depth is also an integral part of the elective, providing a more detailed experience relating to the field of nuclear medicine.
RADI-727    Interventional Radiology
Faculty Contact – Dr. Chris Vargo
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Contact Tina Hunter in the Department of Radiology.

This course is NOT available to visiting students.

This elective exposes the student to the clinical side of radiology. Interventional Radiology is patient orientated and students are encouraged to participate in pre-procedure workup, observation and performance of procedures, and post procedure care. Didactic sessions are conducted every morning, where cases of the day and completed cases from the day before are discussed. Interventional Radiology encompasses most specialties, including peripheral vascular disease, oncology, surgery, internal medicine, ob/gyn, urology, pediatrics, pathology, and neurology to name a few.

RADI-760    Off-Campus Radiology Elective
Periods Offered: Each four weeks
Student Limit: By Arrangement
Prerequisite: By permission of Clerkship Coordinator

This course is NOT available to visiting students.

An Off-Campus Elective Application form must be completed for this experience. (See Off-Campus Elective Application procedures.)

The student must have completed Diagnostic Radiology (RADI-720) prior to approval of an off-campus elective, unless the student is planning to take the elective at a teaching (university-affiliated) hospital.
RADIATION THERAPY

Chair/Dr. Charles E. Enke
Contact Person: Lynette M. McKenny at 402-552-6547

RONC-722 Radiation Therapy
Periods Offered: Each four weeks
(may be extended an additional four weeks by permission)
Student Limit: 1 per section
Where to Report: Dr. Charles Enke, Radiation Oncology, The Nebraska Medical Center-
Ground Floor, 8:30 a.m.

Cancer is relatively rare in the usual medical practice, although it ranks second as a cause of death. Since most patients with cancer, at some time in the course of their disease, will receive radiation therapy, this elective permits a concentrated exposure to the manifestations of malignant disease. The emphasis will be the evaluation of patients undergoing treatment with the various radiation therapy modalities. An attempt will be made via discussion of particular cases to correlate the roles of surgery, chemotherapy and radiation therapy.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>28</td>
</tr>
<tr>
<td>Didactic conferences</td>
<td>1</td>
</tr>
<tr>
<td>Independent learning</td>
<td>8</td>
</tr>
<tr>
<td>Research project</td>
<td>2</td>
</tr>
<tr>
<td>Independent patient care</td>
<td>1</td>
</tr>
</tbody>
</table>
Surgical specialties are clinical rotations which allow students the opportunity to combine all of the knowledge that they have accumulated during the first three years of medical school. A thorough knowledge of anatomy, pathophysiology and clinical decision-making is essential to prepare for and execute operative procedures. In the operating room gross pathology can be observed and histologic pathology later reviewed. This pathology can be correlated with preoperative imaging and physical exam findings. The physiology and pathophysiology of disease and their effect on all body systems is observed pre-operatively, intra-operatively and during the post-operative recovery periods. The spectrum of other areas of medicine that can be seen in surgical patients include infectious disease, endocrinology, cardiology, pulmonology, immunology and pharmacology. Surgical specialties offer exposure to both adult and pediatric patients. All of these electives are geared towards graduated responsibility in patient care as students progress to functioning at the level of an intern.

As you contemplate your career choices, you can feel confident that a surgical elective during your fourth year will contribute to your medical education and your development as a physician, whatever field of medicine you choose to pursue. The Department of Surgery offers elective rotations in a number of areas of surgery. These include General Surgery, Urology, Oral Surgery, Neurosurgery, Pediatric Surgery, Transplant Surgery, Vascular Surgery, Plastic and Reconstructive Surgery, Endocrine/Breast Surgery, Surgical Oncology, Cardiac Surgery and Thoracic Surgery. Other areas of surgical interest can be found through the Departments of Orthopaedic Surgery, Otolaryngology-Head and Neck Surgery, Ophthalmology, Emergency Medicine and Anesthesiology.

If you have a career interest in a surgical subspecialty, we would recommend including some of the following as electives:

- One to two electives on a General Surgery or subspecialty field based at UNMC or one of the affiliated hospitals. In addition, a rotation in other surgical specialties (such as neurosurgery, urology and orthopaedic surgery) may be beneficial.
- Two to three electives in non-operative areas of medicine, especially in those fields that represent patients with diseases that are often treated with surgical and medical approaches.
- One to two electives in fields that represent areas of medicine that partner with surgeons in the care of their patients such as radiology, anesthesiology or pathology.

Members of the faculty of the Department of Surgery would be pleased to give you advice regarding your selection of electives, regardless of your career path – surgical or non-surgical. Please see the list of advisors in the front of this handbook.

ELECTIVES: The electives are designed to build on the foundation achieved in the primary clerkship. The student is an active participant in the professional team caring for patients. Professional communication, relation of the surgical problem to the basis of disease, the details and technique of diagnosis and treatment, are the focus of increasing involvement with patients through the pre-operative and post-operative periods in conjunction with the faculty. The primary clerkship is a prerequisite for all electives in the Department of Surgery.
Please see the following person to arrange each elective:

SURG-710  Beverly Vaughn (Surgery)
SURG-720  Beverly Vaughn (Surgery)
SURG-721  Beverly Vaughn (Surgery)
SURG-722  Beverly Vaughn (Surgery)
SURG-725  Beverly Vaughn (Surgery)
SURG-726  Beverly Vaughn (Surgery)
SURG-727  Beverly Vaughn (Surgery)
SURG-728  Beverly Vaughn (Surgery)
SURG-729  Beverly Vaughn (Surgery)
SURG-730  Beverly Vaughn (Surgery)
SURG-736  Kellie Devney (Neurosurgery)
SURG-738  Kellie Devney (Neurosurgery)
SURG-760  Beverly Vaughn (Surgery)
SURG-766  Beverly Vaughn (Surgery)
SURG-790  Beverly Vaughn (Surgery)
SURG-799  Kellie Devney (Neurosurgery)

**SURG-710  Plastic Surgery**
_Drs. Hollins, Reilly, Miller, Johnson, and Wong_
_Periods Offered:_ Each four weeks
_Student Limit:_ 1
_Where to Report:_ Check with Beverly Vaughn Room 4536 MSB

This elective experience is designed to expose senior students to the principles of plastic surgery and possibly enhance any interest they may have in the field. Areas of focus include general plastic surgery, cosmetic and aesthetic surgery, breast reconstruction, pediatric craniofacial, facial trauma, burn and wound.

**SURG-720  Urology**
_Drs. LaGrange, Kim, Deibert, Villanvera, and B. Hill_
_Periods Offered:_ Each four weeks
_Student Limit:_ By Arrangement
_Where to Report:_ Check with Beverly Vaughn Room 4536 MSB

Students are active participants in the team caring for patients. Students will be exposed to genitourinary tract disease recognition, diagnosis, and therapy and be encouraged to partake fully in the pre-operative, intra-operative and post-operative management of these patients.
SURG-721 Surgical Skill Immersion Course
Dr. Schlitzkus
Periods Offered: April ONLY
Student Limit: 20
Where to Report: Check with Beverly Vaughn Room 4536 MSB

This course is NOT available to visiting students.

American College of Surgeons/Association of Program Directors in Surgery/Association for Surgical Education (ACS/SPDS/ASE) Resident Prep Curriculum “Boot Camp”

This four-week elective offered at the end of the fourth year is geared towards students who are pursuing a career in general surgery. The goal of the elective is to prepare students for the practical aspects of a surgical internship so that they will be able to thrive in the surgical world. The elective will consist of didactic, practical and simulated scenarios. There will be:
- dedicated time in simulation facilities, cadaver labs and practical skills mastery
- exposure to common clinical problems that students can expect to face when they start as an intern
- time dedicated to development of time management skills, communication skills, handover skills and discussion about balancing professional and personal demands
- some time will be spent focusing on core pathophysiology topics

Students will be mentored by surgical faculty and residents and education will be provided by nursing, pharmacy and other allied health professionals. We will utilize the American College of Surgeons/Association of Program Directors Surgery/Association for Surgical Education Resident Prep Curriculum and will receive proof of completion of a standardized curriculum.

SURG-722 Pediatric Surgery
Drs. Raynor, Cusick, Jones, Abdessalam, and Fuller
Periods Offered: Each four weeks
Student Limit: 2
Where to Report: Students should make arrangements with Beverly Vaughn in the Department of Surgery.

On the pediatric surgical service students should consider the physiology, pathology and surgical care of a variety of surgical problems. The expectation is to work up, scrub and make rounds on as many patients as possible. Attendance at teaching conferences on Tuesday and Friday mornings is expected. Students may be asked to give a presentation at a conference. This is generally no more than 30 minutes and would involve a patient cared for by the service. Students are expected to come in on 1 day each weekend.

SURG-725 Cardiac Surgery
Drs. Merritt, Moulton, Siddique, Um, and Duncan
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Students should contact Dr. Merritt one week prior to the rotation for instructions (h.merrittgenore@unmc.edu)

During this elective, the student will function as a sub-intern. An apprentice model is set where the student will be paired with one faculty per week and shadow that surgeon, participating in the pre-operative evaluation of cardiac surgical patients, the surgical procedures and the post-operative management. At the end of this rotation, the student should have an understanding of the diagnostic procedures used in evaluating cardiac and pulmonary disease, indications and contraindications for surgery in these patients, a thorough acquaintance with intra-operative cardiopulmonary bypass, invasive hemodynamic monitoring, and ventilator management, as well as familiarity with pharmacological agents utilized in the care of these patients.

The student will be expected to be available for daily rounds, weekly conferences, elective and occasionally emergent operations (ie: transplants). Overnight call is not typically necessary.
SURG-726 Oral Surgery
Dr. Valmont Desa
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Students should make arrangements with Dr. Valmont Desa and Pat Tolliver

This course is NOT available to visiting students.

The elective is designed to acquaint the student with the technique of oral examination, diagnosis, treatment planning and surgical management of oral disease processes.

SURG-727 Thoracic Surgery
Drs. Lackner and Trujillo
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Students should make arrangements with Beverly Vaughn in the Department of Surgery.

During this elective, the student will function as a sub-intern. They will participate in the pre-operative evaluation of thoracic surgical patients, the surgical procedures, and the post-operative management of these patients. At the end of this rotation, the student should have an understanding of the diagnostic procedures used in evaluating thoracic and pulmonary disease, indications and contraindications for surgery in these patients, radiologic and pathologic evaluation of thoracic malignancy, invasive hemodynamic monitoring, and ventilator management, as well as a familiarity with pharmacological agents utilized in the care of these patients.

The student will be expected to be available for daily rounds, elective and occasionally emergency operations. Overnight on-call with the senior surgical resident on the service would be beneficial.

SURG-728 General Surgery in Affiliated Hospitals
Periods Offered: Each four weeks
Student Limit: 1
Where to Report: Students should make arrangements with Beverly Vaughn in the Department of Surgery.

This course is NOT available to visiting students.

Services:
Methodist: Drs. Rose, Reilly, Winterstein, Buda, Dittrick, Eakins, and Kolkman
Private Colorectal Surgery (CRS): Dr. Beatty

Students selecting an elective at Methodist Hospital will be assigned to a teaching service of their choice when possible; however, in the interest of optimal educational experiences, it may be necessary to assign students to unfilled positions. Hospital assignments are made through the Department of Surgery.
SURG-729  General Surgery at UNMC and Omaha VA
Periods Offered:  Each four weeks
Student Limit:  1 per service
Where to Report: Students should make arrangements with Beverly Vaughn in the Department of Surgery.

Students selecting an elective on General Surgery at UNMC will be assigned to a teaching service of their choice when possible, however, in the interest of optimal educational experiences, it may be necessary to assign students to unfilled positions. Hospital assignments are made through the Department of Surgery.

Services:
Colorectal                     Drs. Thompson, Langenfeld, and Kingston
MIS/Bariatric                 Drs. Oleynikov, McBride, Kothari, and Tanner
Vascular:                     Drs. Longo, Johanning, MacTaggart, Baxter, and Pipinos
Surgical Oncology:           Drs. Are, Foster, Ly, Thayer, Padussis, deRosa, Silva-Lopez, Fingertt, and Maxwell
OVAMC:                       Dr. Carlson
Surgical ICU:                Drs. Schenarts, Evans, Stothert, Cemaj, Schlitzkus, Buesing, Goede, Summers, Bauman and Waibel
Trauma/Emergency General Surgery: Drs. Schenarts, Evans, Stothert, Cemaj, Schlitzkus, Buesing, Goede, Summers, Bauman, Waibel, and D.W. Mercer

This elective is recommended to students interested in a more in-depth exposure to general surgery.

Students will be expected to function as sub interns on the service, including the pre- and post-operative management of patients and the taking of first call in the hospital for the service under the direct supervision of their chief resident. The student will be expected to be an active participant in the operating room, outpatient clinic and emergency room. The student will meet at least weekly with one of the attending staff on an individual basis, at which time they will be responsible for discussing either a specific aspect of surgical management or reviewing some interesting case. The student will be responsible for preparing a clinical conference for formal presentation to all members of their team.

SURG-730  Transplantation Surgery (Liver or Kidney)
Drs. Langnas, Grant, Mercer, Vargas, Maskin and Hoffman
Periods Offered:  Each four weeks
Student Limit:  1 each
Where to Report:  Check with Beverly Vaughn Room 4536 MSB

This elective is available to all students interested in a career in surgery with a special interest in solid organ transplantation. Students will function as a sub intern for the transplant patients only and will be intimately involved in all phases of the transplantation procedure; both donor and recipient operation, pre- and post-operative management and regulation of immunosuppressive drugs. Students will be exposed to patients undergoing liver, small bowel, kidney and pancreatic transplant. In addition, all general surgical procedures on transplant patients and hepato-biliary operations will be a part of the rotation. The student must be available at all times throughout the rotation due to the unpredictable nature of transplantation.
SURG-736 Pediatric Neurosurgery  
Periods Offered: Each four weeks – Children’s Hospital under the supervision of Dr. Mark Puccioni  
Student Limit: 1  
Where to Report: Children’s Hospital – Room & Time TBA  

This elective is designed for the student planning a career in neurosurgery, pediatrics, neurology (adult or pediatric) or neuropathology. Students with specific areas of interest, such as neonatal intraventricular hemorrhage, brain neoplasia, or neuroembryology, are especially encouraged to apply for this elective.

Although there is more than ample time devoted to neuroradiology and neuropathology conferences, the principle thrust of this elective is to coherently integrate the student into the practice and theory of pediatric neurosurgery. Broad clinical exposure including patient clinics, operative experience, etc. is afforded to the student along with in-depth literature analysis.

SURG-738 Neurosurgery  
Periods Offered: Each four weeks  
Student Limit: By arrangement  
Where to Report: Kellie Devney, Room 4140 UNH  

This elective offers the student experience with respect to diagnosis, treatment and management of patients with neurological surgical disease under close supervision of the faculty.

SURG-760 Off-Campus Surgery  
Periods Offered: Each four weeks  
Student Limit: By Arrangement – Please contact Beverly Vaughn in the Department of Surgery  

This course is NOT available to visiting students.  

Special off-campus electives at other medical centers can be arranged for an extraordinary learning experience not regularly available within the department. An Off-Campus Elective Application form must be submitted for this experience. The primary concern is to identify a responsible and acceptable faculty-in-absentia who can assure an active clerkship and offer an evaluation of performance. A student evaluation of this clerkship will be required upon completion.

SURG-766 Preceptorial Surgery  
Periods Offered: Each four weeks  
Student Limit: By Arrangement – please contact Beverly Vaughn in the Department of Surgery  

This course is NOT available to visiting students.  

Many members of the active faculty have indicated a willingness to share a preceptorial clerkship with a student. The list of faculty is maintained in the Department of Surgery. This involves surgeons on our faculty in active practice in Council Bluffs, O’Neill, Lincoln, Kearney, Scottsbluff and Omaha and can be arranged with the member of the faculty and certified by the Department of Surgery. Positions are available at Lincoln Veterans Administration Hospital. Bear in mind that each member of the faculty will set their own individual student limit.  

A responsible and acceptable faculty-in-absentia, who can assure an active clerkship and offer an evaluation of performance, must be identified prior to approval. An evaluation of the student’s performance will be required upon completion and the student is responsible for assuring that the department receives the evaluation.
SURG-790  Surgery Research
Periods Offered:  By Arrangement
Student Limit:  By Arrangement – please contact Beverly Vaughn in the Department of Surgery

This course is NOT available to visiting students.

This elective offers students an opportunity to work with faculty members in clinical investigations of surgical disease in ongoing bench research projects. Definitions of problems and programs of learning will be decided upon discussion with faculty.

SURG-799  Neurosurgery Research
Periods Offered:  Each four weeks
Student Limit:  By Arrangement
Where to Report:  Kellie Devney, Room 4140 UNH

This course is NOT available to visiting students.

This elective offers students an opportunity to work with faculty members in clinical investigations of neurosurgical diseases or participate in ongoing bench research projects. Definitions of problems and programs of learning will be decided upon discussion with faculty.
SAMPLE WORKSHEET
Student Name: _____________________________________________
Career Interest: _____________________________________________
Advisor's Name: _____________________________________________

ALL ELECTIVES ARE PRE-ARRANGED

<table>
<thead>
<tr>
<th>MONTH</th>
<th>FIRST CHOICE</th>
<th>SECOND CHOICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUL 2017</td>
<td>ANES-720 Anesthesia</td>
<td></td>
</tr>
<tr>
<td>AUG 2017</td>
<td>IMED-720 Adult Cardiology</td>
<td>EMED-761 (off Campus in VA)</td>
</tr>
<tr>
<td>SEP 2017</td>
<td>SURG-730 Transplantation</td>
<td>EMED-761 (off Campus in CO)</td>
</tr>
<tr>
<td>OCT 2017</td>
<td>IMED-724 G.I.</td>
<td>IMED-722 General Medicine</td>
</tr>
<tr>
<td>NOV 2017</td>
<td>PEDS-728 Newborn Medicine</td>
<td>ANES-760 (Off Campus in MD)</td>
</tr>
<tr>
<td>DEC 2017</td>
<td>IMED-751 Rheumatology</td>
<td>IMED-726 Infectious Disease</td>
</tr>
<tr>
<td>JAN 2018</td>
<td>VACATION</td>
<td></td>
</tr>
<tr>
<td>FEB 2018</td>
<td>M-ID-728 Development of PBL Cases</td>
<td></td>
</tr>
<tr>
<td>MAR 2018</td>
<td>OPHT-720 Ophthalmology</td>
<td>IMED-727 Renal</td>
</tr>
<tr>
<td>APR 2018</td>
<td>M-ID-710 ICE Senior Seminars</td>
<td></td>
</tr>
</tbody>
</table>

ENTER FIRST CHOICES INTO OASIS BY MARCH 24, 2017