

## INTERNAL MEDICINE

### **Reno**

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**Department(s):** Internal Medicine **IMED**  
**Course Title** Cardiology **IMED 661a**  
**and Number:** (Reno) **Section 001**

**Preceptor(s):** William Graettinger, M.D.  
Anurag Mehta, M.D.  
Steven Correa, M.D.

**Length:** 2 - 4 weeks (4 preferred)

**Objectives/Goals:**

1. To enhance cardiac physical diagnostic skills
2. To develop skills in evaluating and managing cardiac patients in the inpatient and outpatient settings. The major focus will be on patients with ischemic heart disease, heart failure, dysrhythmia recognition and treatment, and application of clinical guidelines.
3. To develop expertise in ECG interpretation
4. To learn the indications/contraindications for; what information can be obtained from; and the limitations of routine cardiac procedures (e.g. echo, cath, treadmill, nuclear, CT).

**Description of Rotation:**

Students perform inpatient consultations at VA SNHCS, see outpatients in the VA clinics. Students will review all cardiac graphics (e.g. EKG, echo, cath, treadmill, nuclear studies) on each of their patients with the faculty. Students will have the opportunity to attend and "scrub in" on cardiac catheterizations on the patients whom they are following.

**Students are expected to round at least one weekend out of the month.**

**Reference:**

1. Heart Disease (Eugene Braunwald)
2. American College of Cardiology practice guidelines for evaluation and treatment of acute MI, CHF, and Acute Coronary Syndromes.

**Evaluation Method:**

Clinical evaluations based on interaction with attending

**Grade:**

Honors/High pass/Pass/Marginal/Fail

To achieve honors, the student should make a presentation on a cardiology topic during the rotation and their performance must be clearly above average in comparison to their peers. They must excel in areas of medical knowledge, clinical care and ethical/professional conduct. They should function near the level of an intern.

If any student is not meeting the requirements of the rotation, he/she will be advised mid-rotation that they will receive a failing mark if substantial improvements are not seen during the latter part of the rotation.

**Department(s):** Internal Medicine **IMED**  
**Course Title** Cardiology/EKG Reading IMED 661a  
**and Number:** (Las Vegas) Section 002

**Preceptor(s):** Arjun Gururaj, M.D. Chowdhury Ahsan, M.D.  
Shahab Khan, M.D. Robert Wesley, M.D.

**Length:** 4 weeks

**Objectives/Goals:**

The student should demonstrate an understanding of the following skills: Interpretation of basic EKG's; Identification of infarct patterns and bundle branch blocks; Identification of coronary anatomy by cardiac cath; Basic arrhythmia detection and differentiating supraventricular arrhythmias vs. ventricular arrhythmias; Knowledge of principles of all cardiac testing, indications, and implications of results; Be prepared to perform a complete cardiovascular examination; Knowledge of the major cardiac disease processes, their diagnosis, treatment and natural history; Management of hyperlipidemias according to NCEP guidelines; Knowledge of cardiovascular drugs, their uses and major interactions.

**Description of Rotation:**

One hour of didactic teaching daily at 2040 building 8:00a.m. Rounds on CCU/CIMC/Medical floors start after lecture and continue until done. Weekly guest lecture regarding various topics i.e.: pacemaker technology uses of amiodarone, interventional cardiology, peripheral vascular disease. Consult student will break from rounds when consult obtained and present to attending at the end of rounds. Teaching EKG reading during first two weeks of month when University is reading UMC EKG's. Viewing of all cardiac catheterizations on patients on the service daily. Review specific echoes on interesting patients as necessary. Each student will be given a topic in cardiology at the beginning of the rotation and will make a presentation on that topic at the end of the rotation. Attendance at cardiology outpatient clinic once during rotation.

**Reference:**

1. Heart Disease – Eugene Braunwald
2. American College of Cardiology Practice guidelines for evaluation and treatment of acute MI, CHF., Acute Coronary Syndromes, Hyperlipidemia.

**Evaluation Method:**

Students will be evaluated by each attending according to their preference.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Clinical Neurology **IMED 661b**  
**and Number:** (Reno) **Section 001**

**Preceptor(s):** Melissa Bloch, M.D. Nidhi Mehta, M.D.  
John Peacock, M.D., Ph.D. Steven Raps, M.D.  
Hemalatha Subbaratnam, M.D. Arlyn Valencia, M.D.

**Length:** 4 weeks

**Objectives/Goals:**

1. Build a fundamental understanding of the pathophysiology, clinical manifestation, and prognosis of major neurological disorders.
2. Develop skills in conducting a proficient neurological examination.
3. Develop skills in neuroanatomical localization of the lesion (s) using data collected from the clinical exam.
4. Develop skills in formulating a differential diagnosis of the disease.
5. Learn how to select and order diagnostic studies in accord with the differential diagnosis.
6. Learn how to select therapeutic options in treatment of neurological disease.

**Description of Rotation:**

A four-week course in which students participate in the care of hospitalized and ambulatory patients with neurological disorders. Students are given the opportunity to present cases at neurology morning report. **This elective is strongly recommended to ALL STUDENTS as neurologic illness is common to all specialties and competence in neurologic exam and other skills are critical for a well rounded physician.**

**Reference:**

Neurology for the House Officer

**Evaluation Method:**

Ongoing subjective clinical evaluation

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Clinical Neurology **IMED 661b**  
**and Number:** (Las Vegas) **Section 002**

**Preceptor(s):** Eric Farbman, M.D.  
David Ginsburg, M.D.  
Linda Brown, M.D.

**Length:** 4 weeks

**Objectives/Goals:**

The student should be able to demonstrate an understanding of common neurological problems and their pathophysiological underpinnings. The student should also be able to take and organized history and systematic neurological examination.

**Description of Rotation:**

The student will take part in the activities of the clinical neurology service. The student will receive experience in evaluation and treatment of common neurological problems in both the outpatient and inpatient settings. In addition, the student will have the opportunity to rotate through various subspecialty clinics involving Alzheimer's and Parkinson's disease, epilepsy, multiple sclerosis, sleep disorders, neuromuscular disease and neuro-ophthalmology. Individual instructional sessions covering the major fields of neurology will be held with the faculty.

**Reference:**

1. Harrison's Principle's of Internal Medicine, Fauci AS (editor), McGraw Hill. Chapters on Neurology.
2. Neuroanatomy Made Ridiculously Easy.
3. Neurology for the House Officer.
4. Articles to be provided.

**Evaluation Method:**

Oral presentation of outpatient and inpatient cases to the faculty. The student should also be able to show adequate neurological examination skills. Timely attendance in the clinics and performing the requested consultations in the hospital are also important parameters. A written evaluation will be provided.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** General Internal Medicine IMED 661c  
**and Number:** Sub-internship (Las Vegas) Section 002

**Preceptor(s):** Misti M. Song, MD. Michael Nasiak, MD  
John Varras, MD Samina Khani, M.D.  
Nazia Khan, MD

**Length:** 4 weeks

**Objectives/Goals:**

The student will be able to demonstrate the following:

The ability to perform a comprehensive medical interview and physical examination; An understanding of the basic and clinical sciences, the mechanisms of disease and their complex interrelationship in both disease and health; The ability to formulate a differential diagnosis and outline a plan for further evaluation and management of diverse inpatient medical problems. The ability to use technology to improve patient care and advance their medical knowledge; The ability to establish effective relationships with peers, colleagues, other healthcare providers, and their families; The ability to behave professionally, to treat patients and other healthcare workers with compassion and respect, to acknowledge errors, to behave honestly and with integrity.

**Description of Rotation:**

Students will be assigned to one of the three inpatient general ward teams. In most instances, sub-interns will have first contact with the patients and will be supervised by both the senior resident and attending physician. **Sub-interns will function as PGY-I's on the General Internal Medicine inpatient service, and will take night call every sixth night.** Days-off and weekend coverage will be determined at the beginning of the rotation with other members of the team.

Sub-interns are expected to attend daily patient rounds with the team as well as the attending didactic rounds, and will be expected to present their patients to the team and to the attending physician. Sub-interns are invited to attend daily morning report and noon didactic lectures and a weekly student lecture series. Sub-interns are encouraged to expand their knowledge base through the use of both hard-copy and internet-based medical resources.

**Reference:**

Harrison's Principles of Internal Medicine, Fauci AS (editor), McGraw Hill.

**Evaluation Method:**

History/Physical examination skills, presentations, participation and attendance.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Dermatology **IMED 661d**  
**and Number:** (Reno) **Section 001**

**Preceptor(s):** Robert Riley, M.D.  
Cindy Lamerson, M.D.

**Length:** 4 weeks

**Objectives/Goals:**

1. To be able to recognize common dermatological entities
2. To gain an understanding of the basic tenets of diagnosis and management in dermatology

**Description of Rotation:**

A four-week course, principally of office dermatology, designed to give the student practical experience in recognition of dermatological disorders. Emphasis will be placed on the diagnosis and management of common dermatologic disorders which can be recognized and treated in the ambulatory setting.

**Reference:**

Fitzpatrick Atlas of Dermatology

**Evaluation Method:**

Ongoing subjective evaluation by the preceptor

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Dermatology (Las Vegas) **IMED 661d**  
**and Number:** Section 002

**Preceptor(s):** Curt Samlaska, M.D.  
Michael Bryan, M.D.

**Length:** 2 - 4 weeks

**Objectives/Goals:**

The student will gain experience in evaluation, diagnosis and treatment of disorders related to endocrinology and metabolism by demonstrating the following skills:

1. Management of patients with dermatological problems.
2. Knowledge of dermatology diseases, as well as their process, treatment and natural progression.
3. To understand the principles of dermatological testing, indications, and implications of results.
4. Interpretation dermatological tests, including microscopic scrapings, bacterial cultures and surgical biopsies.
5. Knowledge of dermatology drugs, their uses and interactions.
6. Brief history and physical examination.

**Description of Rotation:**

The patients are normally seen in a the private office of the dermatologist. An occasional inpatient consult. The student will learn from brief history and physical which tests (i.e. lab work, microscopic scrapings from infections, bacterial cultures +/- or surgical biopsies) need to be ordered and how to interpret them.

**Reference:**

None

**Evaluation Method:**

History/Physical examination skills, presentations, participation and attendance.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Endocrinology IMED 661e  
**and Number:** (Reno) Section 001

**Preceptor(s):** Raymond Plodkowski, M.D. Stanley Shane, M.D.  
Claude Lardinois, M.D. Evan M. Klass, M.D.  
Quang Nguyen, D.O.

**Length:** 2 - 4 weeks

**Objectives/Goals:**

- 1) Student should demonstrate familiarity with the general endocrinology, diabetes, and obesity histories and appropriate physicals.
- 2) Student should demonstrate understanding of the laboratory evaluation of endocrinology disorders.
- 3) Students should demonstrate understanding of radiographic, RMR, bioimpedance and other studies and tests used in the evaluation of endocrinology disorders.

**Description of Rotation:**

A syllabus and reading list are provided at the beginning of the rotation. The student will participate in Obesity Clinic at the UNR Center for Nutrition and Metabolic Disorders, Diabetes and General Endocrinology clinics at UNR. University Health Systems Clinic, and General Endocrinology and Diabetes Clinic at the Reno VAMC. Students will perform inpatient consultations at the Reno VAMC and Renown Medical Center. The student will also present a 20-minute short lecture on a topic approved by Dr. Plodkowski at the end of the rotation. Dr. Plodkowski will give didactic lectures throughout the rotation.

**Reference:**

Basic & Clinical Endocrinology (Lange Medical Books) by Francis S. Greenspan, MD, FACP

**Evaluation Method:**

Subjective clinical evaluations by the preceptors. Students will receive feedback throughout the rotation.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

A student's performance must be clearly above average to their peers to receive honors. If any student is not meeting the requirements of the rotation, he/she will be advised mid-rotation that they will receive a failing mark if substantial improvements are not seen during the latter part of the rotation.

**Department(s):** Internal Medicine  
**Course Title** Endocrinology  
**and Number:** (Las Vegas) IMED 661e  
Section 002

**Preceptor(s):** Michael Jakoby, M.D.

**Length:** 2 - 4 weeks

**Objectives/Goals:**

The student will gain experience in evaluation, diagnosis and treatment of disorders related to endocrinology and metabolism by demonstrating the following skills:

1. Management of patients with endocrine and metabolic disorders.
2. Knowledge of major endocrine and metabolic diseases, as well as their process, treatment and natural progression.
3. To understand the principles of endocrine and metabolic testing, indications, and implications of results.
4. Interpretation standard and provocative endocrine tests, thyroid fine needle aspirations and insulin therapies.
5. Knowledge of endocrine and metabolic drugs, their uses and interactions.
6. They will learn monitoring of home blood glucose and intensive insulin therapies.

**Description of Rotation:**

The student will act as a team member on both outpatient and inpatient consultations. This will allow the student to see a number of patients at various stages of their disease as well as monitoring the progress of the disease and treatment.

**Reference:**

1. Harrison's Principles of Internal Medicine (Endocrinology & Metabolism section)
2. Student Endocrinology articles.

**Evaluation Method:**

History/Physical examination skills, presentations, participation and attendance.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Gastroenterology **IMED 661f**  
**and Number:** (Reno) **Section 001**

**Preceptor(s):** Christi Matteoni, MD and / or others at Gastroenterology  
Consultants

**Length:** 4 weeks; 2 weeks inpatient, 2 weeks outpatient

**Objectives/Goals:**

1. Make the student conversant with the bedside evaluation of patients with gastrointestinal and liver diseases.
2. Improve the student's knowledge of pathophysiology, clinical manifestations and prognosis of common gastroenterologic disorders.
3. The student should become acquainted with modern techniques used in this subspecialty of medicine.

**Description of Rotation:**

A four-week course of ambulatory and inpatient gastroenterology in which students participate in the primary care of and consultation on patients with disorders of the digestive system. The students will be able to observe a variety of endoscopic procedures both inpatient and outpatient.

**Reference:**

GI section of internal medicine textbook.

**Evaluation Method:**

Evaluation is subjective and based on direct supervision and observation during the rotation.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Hospital Medicine Sub-Internship **IMED 661h**  
**and Number:** (Reno) **Section 001**

**Preceptor(s):** Brad Graves, M.D. and other  
Internal Medicine Faculty at Renown  
Regional Medical Center

**Length:** 4 weeks

**Objectives/Goals:**

- 1) Provide the student with practical experience in the direct care of patients in a supervised environment.
- 2) The ability to perform a comprehensive H&P.
- 3) The ability to develop a comprehensive differential diagnosis and the best medical management plan.
- 4) Gain skills and effective communication with peers, colleagues, other healthcare providers, patients and their families.
- 5) To facilitate the transition to the intern year by providing “hands on” learning.

**Description of Rotation:**

Students will be assigned to one of the inpatient general wards teams at Renown Regional Medical Center. The student will be under the direct supervision of the senior resident and will function with few exceptions as an intern. Students will be on call every sixth night and will admit patients to their team working with the senior resident on call. The maximum work load for a sub-intern will be four patient work-ups per call and six ongoing ward patients.

Days off and weekend coverage will be determined at the beginning of the rotation as for any member of the team. Sub-interns are expected to attend daily patient rounds with the team as well as the attending didactic rounds, and will be expected to present their patients to the team and to the attending. Sub-interns will attend daily morning report and resident noon didactic lectures.

**Reference:**

Harrison's Textbook of Internal Medicine, Up To Date

**Evaluation Method:**

Ongoing subjective clinical evaluation by the preceptor

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

To achieve honors the student must excel in areas of knowledge, clinical care and professionalism; and function at the level of an intern. Students with marginal or failing performance will be counseled midway through the elective and must demonstrate significant improvement in the areas of deficit to receive a passing grade.

**Department(s):** Internal Medicine **IMED**  
**Course Title** Hematology/Oncology (Reno) **IMED 661j**  
**and Number:** Section 001

**Preceptor(s):** Antonio Fontelona, M.D.  
F. Roy MacKintosh, M.D., Ph.D.

**Length:** 4 weeks

**Objectives/Goals:**

(flexible depending on student interest)

1. Make students proficient in the bedside evaluation of patients with hematologic or neoplastic disorders.
2. Increase student knowledge of pathophysiology, clinical manifestations and prognosis of common neoplastic disorders.
3. Acquaint students with diagnostic techniques and multi-disciplinary treatment programs used in this sub-specialty of medicine.
4. Make the student proficient in the examination of peripheral blood smears and acquaint him/her with the examination of bone marrow biopsies and other pathological specimens.

**Description of Rotation:**

A four week course in ambulatory and inpatient hematology and oncology in which students participate in the primary care of and consultation on patients with hematologic or neoplastic disorders. Students will rotate between the University's private clinic, the VA clinic and at least twice weekly rounds at Renown Medical Center's oncology floor.

**Reference:**

Up To Date online textbook

**Evaluation Method:**

Ongoing subjective clinical evaluation of student performance by the preceptor.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Hematology/Oncology IMED 661j  
**and Number:** (Las Vegas) Section 002

**Preceptor(s):** Gilbert Nyamuswa, M.D.  
Nevada Cancer Institute Physicians

**Length:** 4 weeks

**Objectives/Goals:**

The student is expected to demonstrate proficiency in: understanding the indications that establish the need to review peripheral blood smear and bone marrow aspirate/biopsy; Reviewing peripheral blood smear and recognizing cardinal morphologic characteristics of routine hematologic diseases; Reviewing of bone marrow aspiration and biopsy slides as well as data from bone marrow flow cytometry and cytogenetics; Understanding the diagnosis and management of patients with a coagulation disorder; Understanding Hemoglobinopathy and Thalassemia; Diagnosing and treating oncologic emergencies; Diagnosing and treating cancer: appropriate work up/staging, and chemotherapy of specific malignancies; Understanding the natural history of specific malignancies; Palliative therapy for terminally ill patients; Controlling pain with medications as well as specific procedures.

**Description of Rotation:**

Daily participation in the care of patients in the hospital as well as private practice setting where chemotherapy, intravenous antibiotics and supportive care are administered. Students are expected to see new consults, review peripheral smears, bone marrow aspirates and biopsies, laboratory and imaging studies in close supervision of the attending physician. Each patient presents a teaching opportunity; challenging cases will be reviewed extensively at the end of the day in didactic-session setting. Attendance at weekly evening dinner-lecture didactic events is strongly encouraged.

**Reference:**

1. Manual of Clinical Hematology by Joseph Mazza. A Little Brown Spiral Manual.
2. Cancer Management, A Multidisciplinary Approach. Pazdur, et al, PRR

**Evaluation Method:**

Evaluation will be based on student performance in all the above throughout the rotation.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Infectious Disease Consultation Service **IMED 661k**  
**and Number:** (Reno) **Section 001**

**Preceptor(s):** Charles G. Krasner, M.D.

**Length:** 4 weeks

**Objectives/Goals:**

- Increased understanding of antibiotic therapy.
- Proper interpretation of Gram stains and basic micro labs tests.
- Evaluation and treatment of the HIV-infected patient.
- Management of chronic Hepatitis B and C.
- Treatment of common infectious disease problems including endocarditis, osteomyelitis, pneumonia..
- Introduction to travel medicine

**Description of Rotation:**

Students will see inpatient infectious disease consultations at VAMC, Renown Medical Center and Carson-Tahoe Medical Center. They will round with the infectious disease specialist three days a week. Ample time for reading and/or research is provided and specific topics will be assigned. **Contact Dr. Krasner by pager the Friday prior to starting the elective to find out where and when to start.**

**Reference:**

Standard textbooks plus student is expected to be able to do independent literature review.

**Evaluation Method:**

Evaluation by preceptors. To pass rotation student is also expected to submit two patient History and Physicals with thoughtful discussion sections.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Infectious Diseases **IMED 661k**  
**and Number:** (Las Vegas) **Section 002**

**Preceptor(s):** Alan Greenberg, M.D.  
Eugene L. Speck, M.D.  
Gary Skankey, M.D.

**Length:** 4 weeks

**Objectives/Goals:**

The student is expected to do all the infectious disease consultations requested and to follow these patients with daily examinations and appropriate handwritten notes. The student dictates consultation notes after formulating a differential diagnosis and after discussing the case with the attending physician.

**Description of Rotation:**

Emphasis is placed on differential diagnosis and therapy. Attention will be given to basic pathophysiology and laboratory diagnosis. There is a one-on-one relationship with the attending sub-specialist. Literature review is considered an important part of the training and the student is expected to do mini reports. Infectious diseases encompasses many areas of medicine and, by this fact, the student will have an in depth experience of medicine.

**Reference:**

1. Mandell's Principles and Practice of Infectious Diseases, 5th Edition.
2. Resse Betts's Practical Approach to Infectious Disease, 4th Edition.

**Evaluation Method:**

Each student will receive a written evaluation by the attending physician that will be submitted to the Department of internal medicine. A verbal discussion of the student's performance will also be done. The student's are encouraged to turn to the attending physician for advice, help or feedback.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

The grade will be determined on the amount of participation in discussion and literature review as well as the ability to take a history and perform a physical examination.

**Department(s):** Internal Medicine **IMED**  
**Course Title** Intensive Care Unit (ICU) IMED 661m  
**and Number:** (Reno) Section 001

**Preceptor(s):** Theodore Lange, M.D.  
Nitinkumar Bhatt, M.D.  
Christopher Nielson, M.D.  
Other IM Faculty

**Length:** 4 weeks

**Objectives/Goals:**  
To increase the student's experience in caring for the critically ill patient. To learn more about the interventions used in the critical care setting.

**Description of Rotation:**  
A four week course at the Reno VAMC designed to provide experience in the care of the critically ill patient. The student will be expected to assume primary responsibility for the care of the patients under the direction of a senior resident. The student will take call and act as a sub intern.\*

**Reference:**  
Up to Date and a collection of critical care articles are available in the ICU

**Evaluation Method:**  
Ongoing subjective clinical evaluation

**Grade:**  
Honors/High Pass/Pass/Marginal/Fail  
\*The student is expected to take call during this elective and average of every 4 days throughout the rotation, the same as interns on the same service.

**Department(s):** Internal Medicine **IMED**  
**Course Title** Intensive Care Unit (ICU) IMED 661m  
**and Number:** (Las Vegas) Section 002

**Preceptor(s):** Joaquim Tavares, M.D.  
Naresh Singh, M.D.  
J.F. Turner, M.D.

**Length:** 4 weeks

**Objectives/Goals:**

The student should demonstrate an understanding of the following skills:

Knowledge of basic care of the critically ill patient, as well as the process, treatment and natural course; To understand the principles of when to order tests, the indications, and the implications of the results; Interpretation of the tests; knowledge of drugs, their uses and interactions; Ability to perform a complete history and physical examination, daily ICU assessment and documentation, transfer and discharge summary of patients.

**Description of Rotation:**

Didactic lectures given several times weekly. Daily rounds with attending physician, including seeing patients on the intensive care unit. Specific reading assignments with oral presentations and discussions. Review patients' test results and write notes on patients daily. Student will be expected to assume primary responsibility of patients under the direction of a senior medical resident. Students will be expected to do necessary assigned reading to expand their knowledge base on diseases encountered during their ICU elective. The student will take night call in the hospital on a rotating basis, and act as a sub-intern.

**Reference:**

1. Harrison's Principles of Internal Medicine
2. Kelly's Textbook of Internal Medicine
3. Rippe's Intensive Care Medicine
4. The ICU Book, Marino
5. Murray's Textbook of Respiratory Medicine, 2nd Edition.

**Evaluation Method:**

History/Physical examination skills, presentations, participation and attendance.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Nephrology IMED 661n  
**and Number:** (Reno) Section 001

**Preceptor(s):** Steven Vicks, M.D.  
Javier Narvarte, M.D.  
Meg Dillard, M.D.

**Length:** 2 - 4 weeks

**Objectives/Goals:**  
Give students an understanding of the diagnosis and treatment of fluid and electrolyte disorders, acid/base disorders, acute renal failure, chronic renal failure, glomerulonephritis and hypertension.

**Description of Rotation:**  
Teaching methods will include didactic sessions and case based discussions. The student will be expected to participate in dialysis procedures. There are three clinics per week.

**Reference:**  
Materials for study will be provided.

**Evaluation Method:**  
Each student will receive a written evaluation from the preceptor based on case presentations and didactic participation.

**Grade:**  
Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Nephrology **IMED 661n**  
**and Number:** (Las Vegas) **Section 002**

**Preceptor(s):** Marvin J Bernstein, M.D. Thomas Lim, M.D.  
Ramchand Ranai, M.D. Bindu Khanna, M.D.

**Length:** 4 weeks

**Objectives/Goals:**

The student should demonstrate an understanding of the following:  
Knowledge of different types of acid bases disorders; Clinical approach to Hematuria and Proteinuria; Kidney Function Studies; Knowledge of electrolyte and H<sub>2</sub>O disorders; The effects of the kidney and pregnancy; Diagnostic approach to glomerulonephritis; Knowledge of the Liver-Kidney interrelationship; Knowledge of principles of all nephrology testing, indications, and implications of results; Be prepared to perform an examination on a renal patient; Knowledge of the acute renal failure, chronic renal failure processes, and diabetic nephropathy - their diagnosis, treatment and natural history; Management of hypertension, dialysis, obstructive uropathy; Knowledge of drugs and the kidney, their uses and major interactions; Each student should prepare and present at least one subject in nephrology as decided with the attending; Independent interpretation of urinary sediment.

**Description of Rotation:**

Daily rounds on hospital inpatients. Students should participate in all sessions and activities sponsored by the Nephrology division, such as, morning report, case conferences, attending rounds, journal club, fluid and electrolyte conference and renal consults, and lectures on various topics. Viewing of all techniques associated with kidney needle biopsy, acute hemodialysis (femoral catheter, subclavian catheter) and acute peritoneal dialysis (catheter insertion). Attendance at renal ambulatory clinic during rotation.

**Reference:**

1. Harrison's Principle's of Internal Medicine, Fauci AS (editor)
2. Up-to-Date computer program.
3. Articles to be provided.

**Evaluation Method:**

Evaluation is subjective and based on direct supervision and observation during this rotation. Emphasis will be placed on the history & physical exam as it pertains to the renal patient.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Physical Medicine and Rehabilitation **IMED 661r**  
**and Number:** (Reno) Section 001

**Preceptor(s):** Haydon Hill, M.D. (RMC and Renown Village)

**Length:** 2 - 4 weeks

**Objectives/Goals:**

Student shall improve his/her understanding of: 1. Medical problems commonly encountered on the inpatient rehabilitation medicine service. Ex. neurogenic bowel and bladder, hypertension, diabetes, acute and chronic pain. 2. Improve skills in performing history and physical examinations, especially neurologic and orthopedic problems. 3. Become familiar with rehabilitation therapy services and how these might help improve the function of your hospitalized patients.

**Description of Rotation:**

A two to four week experience on inpatient rehabilitation medicine service at Washoe Village Medical Center, and our consultation service at Washoe Medical Center. The student will round daily on selected patients and participate in the medical management and coordination of the rehabilitation program for these patients, while being directly mentored by our Preceptors. The student shall improve his/her understanding and management of the challenges presented in the above mentioned objectives/goals. The student shall document as appropriate in the medical records of the patients he/she is involved with, under the direct supervision of our Preceptors. The student shall participate in team conferences and family conferences as appropriate. Student shall gain an improved understanding of contributions from our rehab team members including nursing, P.T., O.T. and C.T. therapies, case managers, pharmacists and psychologists. Free food!

**Reference:**

None

**Evaluation Method:**

Ongoing evaluation of student performance by the instructor; oral final examination.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Physical Medicine and Rehabilitation **IMED 661r**  
**and Number:** (Las Vegas) **Section 002**

**Preceptor(s):** Trevor Nogueira, M.D.

**Length:** 2 - 4 weeks

**Objectives/Goals:**

The student should demonstrate an understanding of the following skills:

1. To gain an understanding of musculo-skeletal and neurological deficits in general and of the role physical medicine and rehabilitation in the management of patients.
2. To learn to perform systematic musculo-skeletal examination.
3. To become familiar with different physical therapy instruments, their utility and prosthetic devices used for rehabilitation management of patients.

**Description of Rotation:**

Two to four weeks will be spent in both the ambulatory clinic as well as going to see hospital inpatients. The student will learn the non-surgical management of musculo-skeletal issues. This will include patient consultations and follow-up exams, as well as monitoring patients during course of treatment. This rotation may include specialized clinics.

**Reference:**

1. Physical Examination of the Spine & Extremities, Stanley Hoppenfield
2. Text Book of Physical Medicine & Rehabilitation, J. Delisa
3. Text Book of Physical Medicine & Rehabilitation, Braddon
4. Optional Addition: Review Article

**Evaluation Method:**

1. History & Physical examination skills.
2. Oral presentation of selected articles to the preceptor with literature reviews on relevant topics.

**Grade:**

Honors/High/Pass/Pass/Marginal/Fail

Based upon the elements discussed under the section of "evaluation methods" and timely attendance in the clinics.

**Department(s):** Internal Medicine  
**Course Title** Pulmonary Medicine  
**and Number:** (Reno) IMED 661s  
Section 001

**Preceptor(s):** Nitinkumar Bhatt, M.D.  
Theodore Lange, M.D.

**Length:** 4 weeks

**Objectives/Goals:**

To learn the bedside evaluation of patients with pulmonary disease. To increase knowledge of pulmonary pathophysiology and management. To learn indications for and interpretation of pulmonary function testing, arterial blood gases and radiographic studies of the lungs.

**Description of Rotation:**

Under direct supervision of the Chief, Pulmonary Medicine at the VAMC, students will perform consultations on inpatients with pulmonary problems. There will be emphasis on correlation of physical examination of the chest, radiological imaging of the chest, pulmonary function tests, sleep and exercise studies, bronchoscopic findings, and the pathobiology of chest diseases. Students will participate in the ambulatory care of pulmonary disease patients by seeing patients in various clinics. Students will have the opportunity to observe all procedures performed on patients during the elective.

**Reference:**

Harrison's Textbook of Medicine; other materials are made available during the rotation.

**Evaluation Method:**

Ongoing subjective clinical evaluation by the preceptor.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Pulmonary Medicine IMED 661s  
**and Number:** (Las Vegas) Section 002

**Preceptor(s):** Joaquim Tavares, M.D.  
J.F. Turner, M.D.  
Naresh Singh, M.D.

**Length:** 4 weeks

**Objectives/Goals:**

The student should demonstrate an understanding of the following skills:

Knowledge of basic pulmonary diseases, as well as the process, treatment and natural course; To understand the principles of when to order tests, the indications, and the implications of the results; Interpretation of the tests, including arterial blood gases (ABG's) and pulmonary function tests (PFT's). Be prepared to assist with procedures, including thoracentesis, as they arise; Knowledge of drugs, their uses and interactions. Ability to perform and dictate a complete history and physical examination and daily pulmonary progress notes.

**Description of Rotation:**

Didactic lectures given several times weekly. Daily rounds with attending physician including seeing patients on the intensive care unit. Specific reading assignments with oral presentations and discussions. Review patients test results and write notes on patients daily. Student will be expected to follow and care for assigned patients. Students will be expected to do necessary assigned reading to expand their knowledge base on diseases encountered during their pulmonary elective. Attendance will be expected at ambulatory clinics.

**Reference:**

1. Harrison's Principles of Internal Medicine
2. Kelly's Textbook of Internal Medicine
3. Murray's Textbook of Respiratory Medicine
4. Rippe's Intensive Care Medicine

**Evaluation Method:**

History/Physical examination skills, presentations, participation and attendance.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine  
**Course Title** Rheumatology  
**and Number:** (Reno) IMED 661v  
Section 001

**Preceptor(s):** Chris Scully, M.D.  
Malin Prupas, M.D.  
John Pixley, M.D.  
Theresa Bachman, M.D.

**Length:** 2 - 4 weeks

**Objectives/Goals:**

(Subject to change with prior approval by Dr. Pixley)

1. To develop familiarity with rheumatic disease history and physical
2. Obtain an understanding of the laboratory evaluation of rheumatic disease
3. Develop skills of radiographic interpretation of joint disease
4. Become familiar with immune mechanisms underlying inflammatory rheumatic disease.

**Description of Rotation:**

This elective is designed to familiarize students with clinical rheumatology. A syllabus is provided at the beginning of the rotation. The elective involves participation in MSAN and VAMC clinics, and consultation on inpatients. It is expected that each student will prepare a talk for the end of the rotation, demonstrating investigation of and familiarity with the current literature on a given topic in rheumatology.

**Reference:**

Articles provided by preceptors; Harrison's Textbook of Medicine.

**Evaluation Method:**

Ongoing subjective clinical evaluation.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Rheumatology IMED 661v  
**and Number:** (Las Vegas) Section 002

**Preceptor(s):** Kenneth Grant, M.D.

**Length:** 2 to 4 weeks

**Objectives/Goals:**

To demonstrate an understanding of the diagnosis and treatment of rheumatic diseases in an outpatient and inpatient setting.

**Description of Rotation:**

Observation and active participation in history and physical examination techniques, with emphasis on areas unique to this specialty. The attending physician will supervise, mentor and evaluate the student in these areas. Lectures, including x-rays and patient photographs will be provided with the opportunity for student participation and interaction during these sessions. Students will be expected to read on a daily basis and prepare brief presentations with written summary on areas of interest to them once per week.

**Reference:**

1. Primer on the Rheumatic Diseases (Current edition)
2. Kelly Textbook of Rheumatology

**Evaluation Method:**

History/Physical examination skills, presentations, participation and attendance.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Geriatric Medicine IMED 661w  
**and Number:** (Reno) Section 001

**Preceptor(s):** Neila Shumaker, M.D.  
Diane Chau, M.D.

**Length:** 4 weeks

**Objectives/Goals:**

1. Gain exposure to geriatrics practice in a variety of settings (extended care facility, home, office). 2. Define "geriatrics" and "geriatric patient". How does geriatrics differ from internal medicine? 3. Learn the components of a geriatric assessment. 4. Gain experience in working with interdisciplinary teams and in applying a biopsychosocial approach to the care of frail elders. 5. Improve knowledge of the evaluation and management of at least two of the geriatric syndromes: dementia, delirium, dizziness, falls, depression, anxiety, incontinence, pressure ulcers, malnutrition, polypharmacy. 6. Learn how to do a "lay" presentation to a group of seniors. 7. Understand the importance and impact of social services on senior populations.

**Description of Rotation:**

This elective provides the medical student with an interesting and educational exposure to the practice of Geriatric Medicine. Since much of the exposure to geriatric patients has been in the hospital, we offer structured community and institutional experiences that more fully reflect elders' lives. Teaching sessions take place at Washoe Village Nursing Home, the VA NHCU, and other community settings. There will be opportunities to make a home visit, take field trips to senior health facilities, and visit community senior centers. Medical students will have the opportunity to give a talk at an independent senior housing development on a topic requested by the residents. Students are also exposed to a geriatrics focused clinic staffed by members of our Division. Opportunities to learn about palliative and end of life care are provided. Students will have time for independent project development on a topic related to geriatric medicine, under the guidance of a geriatrician.

**Reference:**

Geriatrics at your Fingertips  
EPEC Manual (Palliative/EOL care)

**Evaluation Method:**

The student will be evaluated on his/her ability to work with other disciplines, on evidence of acquired knowledge of geriatric syndromes, and on the community presentation and project proposal.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Hospice Care/Palliative Medicine **IMED 661y**  
**and Number:** (Reno) **Section 001**

**Preceptor(s):** Kelle Brogan, M.D.

**Length:** 4 weeks

**Objectives/Goals:**

1. To increase the student's understanding of caring for patients with a limited life expectancy.
2. To learn more about the treatment of pain in hospice patients.

**Description of Rotation:**

A four week course in Hospice and Palliative medicine in which the student will participate in the care of homebound patients and inpatients who are in the Hospice program and who have a limited life expectancy. The student will be assigned homebound patients whom they will see weekly in conjunction with the Medical Director or Nurse Case Manager. In addition, the student will have the opportunity to make patient visits with the Hospice Support Counselors and Hospice Chaplain, when appropriate. The student will also attend the Interdisciplinary Group meetings.

**Reference:**

Reading material is provided.

**Evaluation Method:**

Ongoing subjective clinical evaluation by the preceptor.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine  
**Course Title** Hospice Care  
**and Number:** (Reno) IMED 661y  
Section 001

**Preceptor(s):** Diane Chau, M.D.

**Length:** 4 weeks

**Objectives/Goals:**

1. To increase the student's understanding of hospice & Palliative care.
2. To understand prognostication tools and functional measures in assessing who is appropriate for hospice & palliative care.
3. To understand pain and non-pain symptom management.
4. To provide compassionate specialized care for the living via an interdisciplinary team model that provides support for the whole person in the dying process.

**Description of Rotation:**

A four week course in Hospice and Palliative medicine in which the student will:

1. Participate in the care of home patients and Veteran Affairs inpatients with an interdisciplinary team
2. Students will care for homebound patients whom they will see with the physician and present in interdisciplinary team which will include chaplain, psychology, social work, nursing.
3. Students will also provide consults and inpatient evaluations of palliative and hospice patients at the veteran affairs.

**Reference:**

1. Primer of Palliative Care, 3rd Edition.
2. American Academy of Hospice and Palliative Medicine Fast Facts
3. Eperc website.

**Evaluation Method:**

Ongoing subjective clinical evaluation by the preceptor.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Hospice/Palliative Care IMED 661y  
**and Number:** (Las Vegas) Section 002

**Preceptor(s):** Lisa M. Lyons, M.D.  
Stewart Stein, M.D.

**Length:** 2-4 weeks

**Objectives/Goals:**

Students will be able to:

1) define Hospice Care/Palliative Medicine; 2) discuss the role of Hospice/Palliative Medicine in the home, nursing home, and inpatient setting; 3) list 3 levels of care provided by Hospice; 4) demonstrate an understanding of pain management as it applies to Palliative Care; 5) demonstrate an understanding of non-pain Symptom Management as it applies to Palliative Care; 6) discuss two methods of delivering bad/difficult news; 7) demonstrate one method useful in providing emotional support for people who were dying and for families before and after death; 8) describe 1 model of grief and loss in the Center; 9) discuss the role of spirituality in Death & Dying; 10) discuss hospice philosophy of suicide and assisted suicide and describe one method useful in addressing these issues with patients' fears; 11) describe and discuss one method to recognize/identify the point where patients may benefit from transition from aggressive treatment to Palliative Care.

**Description of Rotation:**

Team meetings, In-Patient and Patient visits, Home visits, Nathan Adelson Hospice visits, Self-study, Lectures, Support group meetings, Video, Spiritual counseling.

**Reference:**

Oxford Textbook of Palliative Medicine  
Hospice/Palliative Care Training for Physician Self-study Program AAHPM  
Hospice and Palliative Medicine Core Curriculum and Review  
Variety of articles on pain and non-pain symptom management

**Evaluation Method:**

Subjective/Objective – oral examination, written examination

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Allergy and Clinical Immunology **IMED 661z**  
**and Number:** (Las Vegas) **Section 002**

**Preceptor(s):** Jim Christensen, M.D.

**Length:** 2 - 4 weeks

**Objectives/Goals:**

The student will gain experience in evaluation, diagnosis and treatment of disorders related to allergy and immunology by demonstrating the following skills:

1. Management of patients with allergic disorders.
2. Knowledge of asthma, and its process, treatment and natural progression.
3. To understand the principles of skin testing, indications, and implications of results.
4. Knowledge of drugs used in allergic diseases.

**Description of Rotation:**

Community office base with some hospital rounds. Teaching via seeing actual patients and brief discussions of their problems.

**Reference:**

1. Immunological Diseases, Max Samter, M.D.
2. Allergy Principles and Practice, Elliott Middleton, Jr., M.D.
3. Medical Immunology, Daniel P. Stites, M.D.

**Evaluation Method:**

Clinical performance on actual patients in an office setting. Present history relevant physical findings. Conclusion and treatment plan.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine  
**Course Title**  
**and Number:** Radiation Oncology (Reno) IMED 662e Section 001

**Preceptor(s):** Lawrence Dardick, M.D.  
Michael Kos, M.D.

**Length:** 2 - 4 weeks

**Description of Rotation:**

Three to five weeks spent at Department of Radiation Therapy, Renown Regional Medical Center. Student exposed to radiobiology, nuclear physics, dosimetry simulation, patient consultations and follow-up exams; as well as monitoring cancer patients during course of treatment.

**Reference:**

None

**Evaluation Method:**

Ongoing evaluation of student performance by the instructor

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Radiation Oncology IMED 662e  
**and Number:** (Las Vegas) Section 002

**Preceptor(s):** Raul T. Meoz, M.D.

**Length:** 2-4 weeks

**Objectives/Goals:**

To gain an understanding of oncology in general and of the role of radiation oncology in the management of cancer patients. To learn the multidisciplinary approach of cancer treatment.

**Description of Rotation:**

Two to four weeks spent at Nevada Radiation Oncology Center (main office). The student will be exposed to radiation biology, radiation oncology physics, dosimetry, simulation, patient consultations and follow-up exams, as well as monitoring patients during course of treatment. The student will be exposed to special treatment techniques such as conventional and high dose rate brachytherapy and stereotactic radiation therapy.

**Reference:**

1. L. Coia and D. Moylan. Introduction to Radiation Oncology
2. Medical Physics Publishing, 3rd Edition or later.

**Evaluation Method:**

Subjective - Ongoing evaluation of student performance by the instructor.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine/Pediatrics **IMED/PEDI**  
**Course Title** HIV/AIDS Clinical Medicine IMED 662f  
**and Number:** (Reno) Section 001

**Preceptor(s):** Trudy Larsen, M.D. (contact [tlarson@medicine.nevada.edu](mailto:tlarson@medicine.nevada.edu))  
Charles Krasner, M.D.  
Sujatha Patani, M.D.  
Steven Zell, M.D.

**Length:** 2 - 4 weeks

**Objectives/Goals:**

1. To gain an understanding of the natural history of HIV infections and its evaluation and treatment
2. To define the different clinical presentations of initial and chronic, treated and untreated HIV infections in all age groups
3. To learn about the multidisciplinary team approach to HIV patient care
4. To participate in a broad range of clinical, counseling, and case management activities

**Description of Rotation:**

Students will be working in the Northern Nevada HOPES clinic daily and actively seeing patients with preceptors. Both formal and informal discussions will be conducted by preceptors covering the range of HIV/AIDS clinical issues. Students will attend staff meetings to discuss patients and will work with case managers to understand HIV coordinated care. A pharmacist with expertise in HIV medications is onsite for consultation. There may be opportunity to round on HIV/AIDS patients admitted to the hospital. Students will be expected to work up and present patients in the clinic and do at least one presentation on a mutually selected topic for the clinic staff.

**Reference:**

1. CDC's Guidelines for HIV/AIDS care for Adults and Adolescents, for Children, and for Perinatal Transmission.
2. Other materials are readily available at the clinic for student use

**Evaluation Method:**

Attendance and participation on a daily basis, patient presentations (complete and/or focused), topic presentation and input from clinic staff and preceptors.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** HIV Disease (Las Vegas) **IMED 662f**  
**and Number:** Section 002

**Preceptor(s):** Brian Onbirbak, M.D.

**Length:** 2 - 4 weeks

**Objectives/Goals:**

Evaluation and treatment of HIV disease and its complications. This will include timing and choice of antiretroviral therapies, opportunistic infection prophylaxis and treatment, as well as the psychosocial aspects of the disease.

**Reference:**

Materials assigned during rotation due to the rapid changes in this field.

**Evaluation Method:**

Ongoing evaluation of the student by the preceptor. Students to be evaluated on knowledge of basic history taking and physical examinations, interaction skills with patients and other healthcare workers, as well as reaching the objective goals of this rotation. Written evaluation at end of the rotation.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Vascular Medicine and IMED662L  
**and Number:** Preventive Cardiology (Reno) Section 001

**Preceptor(s):** Michael J. Bloch, M.D.

**Length:** 2 or 4 weeks

**Objectives/Goals:**

1. To increase the student's understanding of cardiovascular risk assessment
2. To learn more about the treatment risk factors for atherosclerosis including hypertension, dyslipidemia, diabetes and the metabolic syndrome
3. To become proficient in management of outpatient oral anti-coagulation
4. To gain an appreciation for the utility of the vascular lab and potentially vascular surgery.

**Description of Rotation:**

Direct involvement in the care of patients referred to Saint Mary's Risk Reduction Center and MedSchool Associates North under direct supervision of preceptor (approximately 2.5 days per week)

- Involvement in research visits for clinical trials (approximately 0.5 days per week)
- Observation of carotid dopplers in vascular lab at MedSchool Associates North (approximately 0.5 days per week)
- Opportunity to observe vascular surgery cases at Washoe Medical Center or Saint Mary's Regional Medical Center
- Ample time for independent study provided

**Reference:**

Reading material is provided and includes JNC7, AHA Guidelines for Primary and Secondary Prevention of Atherosclerotic Cardiovascular Disease, and National Cholesterol Education Program Guidelines

**Evaluation Method:**

Ongoing subjective clinical evaluation by the preceptor

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Office Gynecology IMED 662n  
**and number:** Section 001

**Preceptor:** Keith Brown, D.O.

**Length:** 4 weeks

**Objectives/Goals:**

To increase the student's understanding of women's healthcare issues and expose them to the thought process and procedures used to manage gynecologic problems.

**Description of Rotation:**

A four week course in office gynecology in which the student will observe the outpatient management of women healthcare issues including, but not limited to contraceptive options, pap smears and management of abnormal pap smears, abnormal uterine bleeding, menopause, urinary incontinence, pelvic pain, pelvic masses and osteoporosis.

The student will have reading assignments, daily PowerPoint presentations in the office, observe office procedures such as endometrial biopsies, colposcopies and Loop Electrical Excision Procedures (LEEP). The student will also have the option of observing gynecologic Surgeries at the various hospitals in Reno.

**Reference:**

Reading materials are provided

**Evaluation:**

Ongoing subjective clinical evaluation by the preceptor

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** International Medical Experience **IMED 662p**  
**and Number:** Section 003

**Preceptors):** Various on-site preceptors

**Length:** minimum 1 week, maximum 8 weeks

**Objective/Goal:**

- 1) Obtain experience with international patients and physicians serving patients in another country.
- 2) Understand the challenges of cross-cultural medicine including the social and economic aspects of disease.
- 3) Understand the challenges of public health and preventive medicine in the elective country.

**Description of Rotation:**

Interested students are responsible for finding a relevant and meaningful international experience and an on-site preceptor that is willing and able to provide them with an international medical experience. This elective is subject to approval by Dr. Bronander and the Associate Dean of Medical Education and will depend on both student factors and host factors. The experience must be primarily for medical education and a detailed list of activities must be provided prior to approval. The elective will vary depending on the subspecialty of the on-site preceptor. The student must visit a travel medicine clinic prior to leaving on the trip to obtain all proper immunizations and/or prophylactic medications recommended by the Centers for Disease Control. A waiver must be signed to limit the liability of the University of Nevada. The student is responsible for all aspects of travel including obtaining valid passports and visas.

**Reference:**

Imperato, PJ. A third world international health elective for US medical students: the 25 year experience of the State University of New York, Downstate Medical Center. J Community Health. 2004 Oct;29(5):337-373.

**Evaluation Method:**

Students will be responsible for writing a minimum 2 page, double spaced report that summarizes the experience and indicates the value of the experience to the student. UNSOM's Clinical Performance Evaluation will be completed by the on-site preceptor and submitted to the course coordinator for final grade determination and comments.

**Grade:**

Honors/ Pass /Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Advanced Clinical Experiences in IMED/FCM 662  
**and Number:** Nutrition (Reno) Section 001  
(Las Vegas) Section 002

**Preceptor(s):** Sachiko T. St Jeor, Ph.D., R.D.(Reno and Las Vegas)  
Ray Plodkowski, M.D. Jessica Krenkel, Ph.D., R.D.  
Maureen Molini, R.D. Barbara Scott, M.P.H., R.D.  
Miriam Een, M.S., R.D. Jolyn Wirshing, M.P.H., R.D.  
Catherine Gerwick, DMD, RD

**Length:** 2 - 4 weeks

**Objectives/Goals:**

To provide a specialized, clinical nutrition rotation for the medical student interested in medical nutrition applications and/or research. Student should: Demonstrate in-depth understanding of the effects of nutrition assessment and interventions on the diagnosis, treatment and prevention of specific nutrition related diseases of stages of lifecycle development in which they are interested. Work with their preceptor to define this flexible experience to prepare them for comprehensive medical care, especially as related to their future goals. Be able to professionally present the results of clinical nutrition experience to the faculty and peers at the conclusion of their rotation.

**Description of Rotation:**

A two to four week course tailored to the interests of the medical student. Emphasis is on

(1) precepted medical nutrition care at the Center for Nutrition and Metabolic Disorders, Internal Medicine, Pediatrics, Family Medicine, or clinics as prearranged; (2) in-patient nutrition care, especially nutrition support; and/or (3) clinical nutrition research or independent study; and/or (4) collaborative work to develop and integrate nutrition care of research with a medical preceptor. The student may choose clinical experiences, independent study, an integrated approach, or a combination of these choices. The student will consult with the preceptor to plan a specialized clinical nutrition rotation or research questions. Students will be encouraged to complete comprehensive medical nutrition assessments, utilize evidence-based medicine, perform medical nutrition therapy counseling, and/or participate in nutrition research.

**Reference:**

Evidence-based practice guidelines will be provided for areas of student interest. Library time will be allowed as needed to translate current research into practice.

**Evaluation Method:**

Quality of medical nutrition therapy assessments, research, and presentations. Ongoing evaluation of student performance by the preceptor and any site specific preceptors.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Advanced Clinic Elective: IMED/FCM 668  
**and Number:** Nutrition and Metabolic (Reno) Section 001

**Preceptor(s):** Sachiko T St Jeor, Ph.D., R.D. (Reno and Las Vegas)  
Ray Plodkowski, M.D. Catherine Gerwick, DMD, RD  
Miriam Een, M.S., R.D. Jessica Krenkel, Ph.D., R.D.  
Barbara Scott, M.P.H., R.D. Jolyn Wirshing, M.P.H., R.D.

**Length:** 1 hour credit (40 clinic hours which can be spread as needed over time, 1-2 semesters)

**Objectives/Goals:**

To provide an opportunity for students to learn experientially both as patients in the clinic and as their own co-therapists precepted by a member of the Division of Medical Nutrition and/or Division of Endocrinology faculty. Such clinical problems as obesity (weight management), diabetes, cancer, osteoporosis, pregnancy etc. would be appropriate for integrated nutrition and lifestyle counseling. Student should: 1) Demonstrate understanding of nutrition assessment, energy balance and dietary/weight histories as they affect diagnosis, treatment and prevention of many nutrition related diseases; 2) Demonstrate familiarity with the assessment of nutrition status and the different implications in health and disease. 3) Be able to present their comprehensive medical case to faculty and peers, integrating scientific knowledge and evidence based medicine with their case. 4) Student will demonstrate knowledge of compliance and motivational issues to recommended treatment (such as diets, physical activity) and understand the role of interdisciplinary lifestyle changes in disease treatment and prevention.

**Description of Rotation:**

This course allows students to pursue personal nutrition/endocrinology issues for themselves (or close relative/friend) in the enhanced clinic setting. Diet and lifestyle therapy will be individualized according to need. The student will refer the patient to the clinic and participate in planning the care and follow-up. As the patient in the clinic (or attending all sessions with the patient), s/he will learn experientially by being the patient, being the student researching the problem, and being the clinician (figuring diets, writing chart notes, etc.). The patient will make appropriate scheduled appointments at the Center for Nutrition and Metabolic Disorders (CNMD) or as precepted with appropriate providers. For 1 credit, there will be 40 hours scheduled; for example, 10 x ½ day = 4 hours, (including the clinic visit and related activities) by the preceptor according to individualized goals and needs. This course provides the opportunity for students to obtain (with course credit) firsthand experience dealing with nutrition related problems most likely to appear in their future practice and for friends/relatives requesting nutrition advice from them.

**Reference:**

Evidence-based practice guidelines will be provided for areas of student interest. Library time will be allowed as needed to translate current research into practice.

**Evaluation Method:**

Quality of precepted medical clinic visits and chart notes. Ongoing evaluation of student performance by the preceptor and any site specific preceptors. Comprehensive oral presentation of case (at end of 10 weeks or rotation) to nutrition/endocrinology faculty.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Independent Study/Research in Internal **IMED 690**  
**and Number:** Medicine (Reno) **Section 001**

**Preceptor(s):** John Pixley, M.D.  
John Peacock, M.D., Ph.D.  
Claude Lardinois, M.D.  
F. Roy MacKintosh, M.D., Ph.D.  
Philip Goodman, M.D., M.S.

**Length:** 8 weeks

**Description of Rotation:**

A course of at least eight weeks in which the student will engage in a clinical or laboratory research project in an area of internal medicine. The student may participate in research in progress by any of several internal medicine faculty members or may, with approval of instructor, initiate a study of his/her own design. The objectives of the course are to: (1) give the student knowledge of the design of research projects; (2) teach him/her the laboratory or clinical skills necessary for implementation of the study; (3) teach him/her the principles of data analysis; and (4) ideally, culminate in a research publication.

**Reference:**

None

**Evaluation Method:**

Ongoing evaluation of student performance by instructor.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail

**Department(s):** Internal Medicine **IMED**  
**Course Title** Independent Study in Clinical FCM/IMED 691  
**and Number:** Nutrition (Reno) Section 001  
(Las Vegas) Section 002

**Preceptor(s):** Sachiko T St Jeor, Ph.D., R.D. (Reno and Las Vegas)  
Ray Plodkowski, M.D. Jessica Krenkel, Ph.D., R.D.  
Vicki Bovee, M.S., R.D. Jolyn Wirshing, M.P.H., R.D.  
Barbara Scott, M.P.H., R.D. Miriam Een, M.S., R.D.

**Length:** 1 semester or 4 weeks full time

**Objectives/Goals:**

To encourage special clinical problem solving or research to meet an established academic and clinical medical nutrition goal. Student will:

- 1) Identify a special medical nutrition goal of interest and pursue its integration into medical practice; or
- 2) Identify a research question with background and significance, determine the methodology and organize the collection of data if needed, analyze the data, review the results, and present the discussion, conclusions, and future directions.
- 3) Student will present research results in an abstract for submission to local or national professional meetings if applicable.

**Description of Rotation:**

Special clinical problem solving or research under the preceptorship of faculty in the Division of Medical Nutrition. The student will initiate, design, and execute the student's own research project, publication, and/or clinical experiences with the guidance of a mentor. If applicable, the student will need to meet all Human Subjects requirements for research with patients or participants.

**Reference:**

Evidence-based practice guidelines and current research articles for translation into practice.

**Evaluation Method:**

Timely completion of goals with a demonstrated understanding of the clinical problem or research area. Review of the quality of products produced during the independent study. Presentation of the clinical problem, methods, results, conclusions, and future directions to peers and faculty.

**Grade:**

Honors/High Pass/Pass/Marginal/Fail