Carroll University – MSPAS Program
PHA506: Clinical Medicine II
SpringTerm 2017

Course number: Physician Assistant 506
Course title: Clinical Medicine II
Number of credits: 5 credit hours
Day/time: Wednesday mornings 7:00 -8:50 and Thursday afternoons 3:00-5:50 with additional sessions per Google Calendar
Prerequisites: Successful completion of Year I Summer Courses
Faculty: Bob Schellinger MD
Office: PHCMA Moreland Family Medicine
717 W Moreland Blvd
Waukesha, WI 53188
Office Hours: Available on request
Telephone: 262-370-0351
E-mail: rschelli@carrollu.edu

Course description

This course integrates the pathophysiology, clinical diagnosis, and management of a spectrum of disorders in the comprehensive presentation of the various disease processes commonly encountered in primary care across the spectrum of clinical medicine. Clinical Medicine II employs a system-oriented, problem based approach. Clinical information is presented in conjunction with appropriate, correlative lectures pharmacology, radiology, laboratory diagnostics, and nutrition. Organ systems covered in Clinical Medicine II include: endocrinology, gastroenterology, urology, nephrology, orthopedics, rheumatology and behavioral medicine. Prerequisites: Successful completion of all courses in the winter term.

Course Content

Clinical medicine will complete the exploration of the pathophysiologic processes in various anatomic and physiologic systems including musculoskeletal, neurologic, endocrine, ophthalmologic, urologic, renal and otolaryngology. The class format will consist of a combination of lecture style and problem based learning to help facilitate a deeper understanding of the course material.

Student Expectations

- Complete assigned readings prior to class to effectively participate in problem based learning activities
- demonstrates a positive attitude toward learning
- is on time for all scheduled classes, including timely return from breaks
- completes readings and assignments prior to class
• asks relevant and understandable questions
• takes full responsibility for learning and self-directed learning activities
• shows respect for self, other students, and faculty
• refrains from revealing negative feelings through tone of voice or body language
• refrains from disruptive activities during class including eating, talking, getting up and down, use of cell phone, etc.
• relies on personal resources before approaching others for help
• demonstrates cooperation with and mutual respect for peers
• responds to faculty, staff and peers readily and appropriately

Instructor Expectations

• demonstrates a positive attitude towards the facilitation of learning
• is on time for all scheduled classes
• should the need arise, reschedules class time with appropriate and timely notification to students, faculty, and staff
• provides appropriate course materials for class preparation prior to class
• is available for office hours or appointments to assist with questions; responds to faculty, staff, and students readily and appropriately
• listens attentively and initiates communication which is appropriate and timely
• identifies limitations in knowledge and provides appropriate resources for student learning
• provides timely and constructive feedback for assignments and assessments
• shows respect for self, students, and other faculty
• refrains from revealing negative feelings through tone of voice or body language
• demonstrates cooperation with and mutual respect for students, faculty, and staff

Required Text and Reading

Current Medical Diagnosis and Treatment Tierney, et al., 2014 or 2015 Edition
Selected Web based Articles from clinical medicine journals

Grading

The course grade for the fall semester will be based upon the following:

Four Exams all weighted equally

<table>
<thead>
<tr>
<th>Letter</th>
<th>Conversion scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>100-93</td>
</tr>
<tr>
<td>AB</td>
<td>92.99-90</td>
</tr>
<tr>
<td>B</td>
<td>89.99-83</td>
</tr>
<tr>
<td>BC</td>
<td>82.99-80</td>
</tr>
<tr>
<td>C</td>
<td>79.99-70</td>
</tr>
<tr>
<td>D</td>
<td>69.99-60</td>
</tr>
<tr>
<td>F</td>
<td>59 and below</td>
</tr>
</tbody>
</table>
**Attendance and Professionalism**

Attendance at all class periods, laboratories, and practical experiences are mandatory unless otherwise indicated. Poor attendance (unexcused absences, tardiness, and unauthorized early departures), lack of preparation, and unprofessional behavior may result in a lower or failing grade and/or be reported to the program progression committee. If you will be absent, tardy, or need to be excused early you must notify the course director via e-mail or phone prior to the scheduled meeting time. Tardiness and unauthorized early departures will be considered unexcused absences unless prior notification is submitted. Unexcused absences of more than 10% of class time may result in a failing grade. Absences are excused only at the discretion of the course director and/or the PA Program Director. Students may be required to make up missed laboratory time (excused or unexcused) at the discretion of the course director.

**Examinations**

There will be **Four** exams during the semester. Please refer to the schedule for details. Exams are {case-vignette multiple choice exams and are closed-book. Challenges to examination questions will be accepted for 1 week after the return of scores. Challenges must be submitted in writing via email with two written sources, at least one from recommended course readings}. 

No books, papers, notebooks, cellphones, smartphones, I-pods, I-pads, blackberry, etc. or backpacks/bookbags will be allowed on/near your desk during an examination. Recommend keeping personal belongings in the back of the room or in lockers. Hats are prohibited during an exam. Cellphones, smartphones, I-pods, I-pads, blackberry, etc must be turned off during an examination.

**Assignments**

Assignments will be required and will be outlined on the LMS course site.

**Statement on Academic Integrity**

The Carroll University Academic Integrity Policy is located in the Carroll University Student Handbook. Students are encouraged to familiarize themselves with it. If a student violates this policy in any way, the instructor(s) reserve the right to impose a sanction of failure on the assignment/assessment or failure in the course. If you have questions about appropriate citations, please ask your instructor.

**Accommodation for Disabilities**

Any requests for accommodation for physical or cognitive disability must be made through the Walter Young Disability Services Coordinator at Carroll University. Appropriate accommodations will be evaluated based on the program technical standards once notification has been received from the Walter Young coordinator. If an individual student has special needs or concerns about course requirements related to religious beliefs, cultural issues, or other issues, the student must contact the Program Director with a request for accommodation.

**Modifications to the syllabus**

The instructor and the University reserves the rights to modify, amend, or change the syllabus (schedule, course requirements, grading policy, etc.) as the curriculum and/or program require(s).

**Remediation**

Students who fail this course may be eligible for remediation according to the policy described in the Graduate Student Handbook and/or PA Student Handbook.
During the course, a student scoring more than 2 SD below the mean on a particular assessment may be required to complete additional work. The student will be contacted by the course instructor and asked to meet to discuss the remediation requirements for that particular assessment. Remediation requirements will be determined by the course instructor, and the content needed to remediate is at the discretion of the course instructor in that particular course. When an instructor requires remediation of a student, it does not affect the exam grade, nor does it improve the semester grade. Remediation is required to ensure that the course objectives clearly missed based on assessment results are accomplished by the student before beginning the clinical year.

Upon successful completion of remediation, a note stating completion will be added to the student’s record.

Course Goals

By the end of Clinical Medicine II, the student will have developed a broad primary care understanding of various pathophysiologic diseases and processes in a variety of anatomic and physiologic systems apply the recognition and treatment of such disease processes to a variety of patient populations including those who are medically underserved.

Learning Outcomes

At the end of Clinical Medicine II, the student will be able to utilize components of the medical history, physical exam and various ancillary tests to correctly diagnose medical conditions in musculoskeletal, renal, endocrine, otolaryngology, ophthalmologic, neurologic and infectious disease systems. Further, the student will be able to correctly formulate evidenced-based diagnostic and therapeutic strategies for medical diagnoses in the same systems.

Learning Objectives

Musculoskeletal:

Create a diagnostic approach and formulate an appropriate management plan for the following conditions:

- Strain of the cervical and lumbar spine
- Cauda equine syndrome
- Rotator cuff tendonitis and tears
- Subacromial bursitis
- Shoulder impingement syndrome
- Carpal tunnel syndrome
- Wrist tendonitis
- Hand injuries
- Anterior cruciate, posterior cruciate, medial collateral and lateral collateral ligament conditions
Meniscal conditions
Medial and lateral epicondylitis
Ankle sprains and strains
Osteoarthritis
Gout

Rheumatology:
Create a diagnostic approach and formulate an appropriate management plan for the following conditions:
- Polymyalgia rheumatic
- Temporal arteritis
- Rheumatoid arthritis
- Systemic lupus erythematosus
- Scleroderma

Neurology:
Create a diagnostic approach and formulate an appropriate management plan for the following conditions:
- Peripheral neuropathies
- Migraine headaches
- Tension headaches
- Tremors
- Concussions
- Cerebrovascular accidents

Endocrinology:
Create a diagnostic approach and formulate an appropriate management plan for the following conditions:
- Diabetes mellitus
- Hyperthyroidism and hypothyroidism
- Thyroid nodules
- Hypercalcemia and hypocalcemia
- Disorders of pituitary function
Disorders of adrenal function

Nephrology and Urology:
Create a diagnostic approach and formulate an appropriate management plan for the following conditions:

Acute kidney failure
Chronic kidney failure
Polycystic kidney disease
Nephrotic syndrome
Urinary incontinence
Benign prostatic hypertrophy
Prostate cancer
Erectile dysfunction
Epididymitis
Orchitis
Bladder cancer

Ophthalmology/ENT:
Create a diagnostic approach and formulate an appropriate management plan for the following conditions:

Cataracts
Glaucoma
Macular degeneration
Optic neuritis
Retinal detachment
Retinal artery and vein occlusion
Hearing impairment
Eustachian tube dysfunction
Vertigo
Epistaxis
Nasal polyposis
Aphthous ulcers
Oral leukoplakia
Parotitis
Sialadenitis

Infectious Disease:

Create a diagnostic approach and formulate an appropriate management plan for the following conditions:

Herpes zoster
Dermatophyte infections
Cellulitis
Erysipelas
Impetigo
Tuberculosis
Tick borne illnesses
Acute pharyngitis
Acute and chronic sinusitis
Otitis media

Course Schedule

*Schedule is subject to change

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic/System</th>
<th>Presenter</th>
<th>Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 25th</td>
<td>Lower Extremity</td>
<td>Schellinger</td>
<td>Will be posted</td>
</tr>
<tr>
<td>January 26th</td>
<td>Lower Extremity</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>February 1st</td>
<td>Upper Extremity</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>February 2nd</td>
<td>Upper Extremity</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>February 8th</td>
<td>Rheumatology</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>February 9th</td>
<td>Neck/Spine</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>February 15th</td>
<td>Musculoskeletal Exam</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>February 16th</td>
<td>Infectious Disease</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>February 22nd</td>
<td>Infectious Disease</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>February 23rd</td>
<td>Infectious Disease</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>March 1st</td>
<td>Infectious Disease</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>March 2nd</td>
<td>Thyroid/Parathyroid Conditions</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>March 8th</td>
<td>Infectious Disease Exam</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>Topics</td>
<td>Provider</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>-------------------------------------------------------------</td>
<td>--------------</td>
<td></td>
</tr>
<tr>
<td>March 9th</td>
<td>Adrenal/Pituitary Conditions</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>March 11th-19th</td>
<td>Spring Break</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>March 22nd</td>
<td>Osteoporosis</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>March 23rd</td>
<td>Diabetes Mellitus</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>March 29th</td>
<td><strong>Endocrinology Exam</strong></td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>March 30th</td>
<td>Acute Kidney Disease</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>April 5th</td>
<td>Testicular Issues/Erectile Dysfunction</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>April 6th</td>
<td>Prostate Conditions</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>April 12th</td>
<td>Chronic Kidney Disease/Incontinence</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>April 13th</td>
<td>Nephrology/Urology Exam</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>April 19th</td>
<td>ENT/Hearing</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>April 20th</td>
<td>Ophthalmology</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>April 26th</td>
<td>Stroke/Peripheral Neuropathy</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>April 27th</td>
<td>Movement Disorders/Dizziness</td>
<td>Schellinger</td>
<td></td>
</tr>
<tr>
<td>May 3rd</td>
<td>Headaches/Concussions</td>
<td>Schellinger</td>
<td></td>
</tr>
</tbody>
</table>