

MAR 5 2013

Course Information

Date Submitted: 3/11/2013

Current Prefix and Number: PAS - Physician Assistant Studies , PAS 669 - INTERNAL MED CLERKSHIP

Other Course:

Proposed Prefix and Number:

What type of change is being proposed?

Major – Add Distance Learning

Should this course be a UK Core Course? No

1. General Information

a. Submitted by the College of: College of Health Sciences

b. Department/Division: Physician Assistant Studies

c. Is there a change in 'ownership' of the course? No

If YES, what college/department will offer the course instead: Select...

e. Contact Person

Name: Suzanne Fiscella

Email: suzane.fiscella@uky.edu

Phone: 859-218-0857

Responsible Faculty ID (if different from Contact)

Name: Virginia Valentin

Email: virginia.valentin@uky.edu

Phone: 859-218-0587

f. Requested Effective Date

Semester Following Approval: Yes OR Effective Semester:

2. Designation and Description of Proposed Course

a. Current Distance Learning (DL) Status: Please Add

b. Full Title: INTERNAL MEDICINE CLERKSHIP

Proposed Title: INTERNAL MEDICINE CLERKSHIP

c. Current Transcript Title: INTERNAL MED CLERKSHIP

Proposed Transcript Title: INTERNAL MED CLERKSHIP

d. Current Cross-listing: none

Proposed – ADD Cross-listing :

Proposed – REMOVE Cross-listing:

e. Current Meeting Patterns

CLINICAL: 90

Proposed Meeting Patterns

CLINICAL: 90

f. Current Grading System: Graduate School Grade Scale

Proposed Grading System: PropGradingSys

g. Current number of credit hours: 6

Proposed number of credit hours: 6

h. Currently, is this course repeatable for additional credit? No

Proposed to be repeatable for additional credit? No

If Yes: Maximum number of credit hours:

If Yes: Will this course allow multiple registrations during the same semester? No

2i. Current Course Description for Bulletin: This is an eight-week clinical course designed to provide physician assistant students with experience in evaluating and treating common problems encountered in Internal Medicine. Experience is provided at the level of a primary care physician assistant, and emphasis is placed on performing a history and physical exam, selecting and interpreting laboratory exams, establishing a logical differential diagnosis, conducting research on clinical programs, performing selected studies, and establishing a tentative treatment plan.

Proposed Course Description for Bulletin: This is an eight-week clinical course designed to provide physician assistant students with experience in evaluating and treating common problems encountered in Internal Medicine. Experience is provided at the level of a primary care physician assistant, and emphasis is placed on performing a history and physical exam, selecting and interpreting laboratory exams, establishing a logical differential diagnosis, conducting research on clinical programs, performing selected studies, and establishing a tentative treatment plan.

2j. Current Prerequisites, if any: Prereq: Enrollment in the Physician Assistant program and successful completion of the didactic portion of the PA curriculum.

Proposed Prerequisites, if any: Prereq: Enrollment in the Physician Assistant program and successful completion of the didactic portion of the PA curriculum.

2k. Current Supplementary Teaching Component:

Proposed Supplementary Teaching Component:

3. Currently, is this course taught off campus? No

Proposed to be taught off campus? No

If YES, enter the off campus address:

4. Are significant changes in content/student learning outcomes of the course being proposed? No

If YES, explain and offer brief rationale:

5a. Are there other depts. and/or pgms that could be affected by the proposed change? No

If YES, identify the depts. and/or pgms:

5b. Will modifying this course result in a new requirement of ANY program? No

If YES, list the program(s) here:

6. Check box if changed to 400G or 500: No

Distance Learning Form

Instructor Name: Virginia Valentin

Instructor Email: virginia.valentin@uky.edu

Internet/Web-based: No

Interactive Video: No

Hybrid: Yes

1. How does this course provide for timely and appropriate interaction between students and faculty and among students? Does the course syllabus conform to University Senate Syllabus Guidelines, specifically the Distance Learning Considerations? Students will participate in this course, interacting with fellow students and faculty via Blackboard. The syllabus explains how to contact the instructor (via email and phone) and expected response times. The syllabus conforms to Senate guidelines.

2. How do you ensure that the experience for a DL student is comparable to that of a classroom-based student's experience? Aspects to explore: textbooks, course goals, assessment of student learning outcomes, etc. The course goals and content are the same as for a typical classroom-based experience. Quizzes, written assignments and performance are as challenging as for any comparable course. To ensure the highest production quality possible, student performance and testing are frequently monitored throughout the course via email, phone and site visits, as well as evaluation of clinical experiences.

3. How is the integrity of student work ensured? Please speak to aspects such as password-protected course portals, proctors for exams at interactive video sites; academic offense policy; etc. Students will access Blackboard with their user login and password. Students will also submit all written work through SafeAssign on Blackboard. Written work will be graded by the instructor. Final exams require proctoring by the instructor via Blackboard or other secure appropriate software. Grades for interactive discussion will be provided to the student only by the instructor. The student's placement will be supervised by a qualified clinical professional. This will ensure that the learning goals are appropriately met.

4. Will offering this course via DL result in at least 25% or at least 50% (based on total credit hours required for completion) of a degree program being offered via any form of DL, as defined above? No

If yes, which percentage, and which program(s)?

5. How are students taking the course via DL assured of equivalent access to student services, similar to that of a student taking the class in a traditional classroom setting? The students taking this course will have equivalent access to student services via the UK Library services and other UK student support websites. Students will be able to use their LinkBlue ID to access these resources.

6. How do course requirements ensure that students make appropriate use of learning resources? This course is Blackboard-based; the students have to access it for a copy of the syllabus, quizzes, written assignments. The students must use UK Library services to obtain the majority of the reading assignments and to search references for their writing materials and appropriate references.

7. Please explain specifically how access is provided to laboratories, facilities, and equipment appropriate to the course or program. Students will not require access to equipment outside of a personal computer and appropriate software. Students will primarily use the services of UK's Distance Learning, UK Distance Learning Library and electronic access to UK Libraries. Access is restricted to UK users via userID and password.

8. How are students informed of procedures for resolving technical complaints? Does the syllabus list the entities available to offer technical help with the delivery and/or receipt of the course, such as the Information Technology Customer Service Center (<http://www.uky.edu/UKIT/>)? Students are informed via the syllabus and given contact information for technical issues.

9. Will the course be delivered via services available through the Distance Learning Program (DLP) and the Academic Technology Group (ATL)? YES

If no, explain how student enrolled in DL courses are able to use the technology employed, as well as how students will be provided with assistance in using said technology.

10. Does the syllabus contain all the required components? YES

11. I, the instructor of record, have read and understood all of the university-level statements regarding DL.

Instructor Name: Virginia Valentin

SIGNATURE|KOSKAF0|Karen O Skaff|Dept approval for ZCOURSE_CHANGE PAS 669|20121130

SIGNATURE|PNASH|Phyllis J Nash|College approval for ZCOURSE_CHANGE PAS 669|20121203

SIGNATURE|JDLIND2|Jim D Lindsay|HCCC approval for ZCOURSE_CHANGE PAS 669|20130104

SIGNATURE|ZNNIKO0|Roshan N Nikou|Graduate Council approval for ZCOURSE_CHANGE PAS 669|20130220

Courses	Request Tracking
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Course Change Form

https://myuk.uky.edu/sap/bc/soap/rfc?services=

Open in full window to print or save

Generate F

Attachments:

Browse... Upload File

ID	Attachment
Delete 1040	Internal Medicine clerkship.docx

First 1 Last

Select saved project to retrieve...

Get New

NOTE: Start form entry by choosing the Current Prefix and Number (*denotes required fields)

Current Prefix and Number:		PAS - Physician Assistant Studies PAS 669 - INTERNAL MED CLERKSHIP	Proposed Prefix & Number:	
* What type of change is being proposed?		<input type="checkbox"/> Major Change <input checked="" type="checkbox"/> Major - Add Distance Learning <input type="checkbox"/> Minor - change in number within the same hundred series, exception 60 same "hundred series" <input type="checkbox"/> Minor - editorial change in course title or description which does not imply content or emphasis <input type="checkbox"/> Minor - a change in prerequisite(s) which does not imply a change in content or emphasis, or which is made necessary by the elimination or significant change of the prerequisite(s) <input type="checkbox"/> Minor - a cross listing of a course as described above		
Should this course be a UK Core Course? <input type="radio"/> Yes <input checked="" type="radio"/> No				
If YES, check the areas that apply:				
<input type="checkbox"/> Inquiry - Arts & Creativity <input type="checkbox"/> Composition & Communications - II <input type="checkbox"/> Inquiry - Humanities <input type="checkbox"/> Quantitative Foundations <input type="checkbox"/> Inquiry - Nat/Math/Phys Sci <input type="checkbox"/> Statistical Inferential Reasoning <input type="checkbox"/> Inquiry - Social Sciences <input type="checkbox"/> U.S. Citizenship, Community, Diversity <input type="checkbox"/> Composition & Communications - I <input type="checkbox"/> Global Dynamics				
1. General Information				
a. Submitted by the College of:		College of Health Sciences	Today's Date: 3/11/2013	
b. Department/Division:		Physician Assistant Studies		
c.* Is there a change in "ownership" of the course?				
<input type="radio"/> Yes <input checked="" type="radio"/> No If YES, what college/department will offer the course instead? Select...				
e.* * Contact Person Name:		Suzanne Fiscella	Email: suzanne.fiscella@uky.edu	Phone: 859-218-0857
* Responsible Faculty ID (if different from Contact)		Virginia Valentin	Email: virginia.valentin@uky.edu	Phone: 859-218-0587
f.* Requested Effective Date:		<input checked="" type="checkbox"/> Semester Following Approval	OR	Specific Term: 2
2. Designation and Description of Proposed Course.				
a. Current Distance Learning (DL) Status:		<input type="radio"/> N/A <input type="radio"/> Already approved for DL* <input checked="" type="radio"/> Please Add <input type="radio"/> Please Drop		
*If already approved for DL, the Distance Learning Form must also be submitted unless the department affirms (by checking this box) that proposed changes do not affect DL delivery.				
b. Full Title:		INTERNAL MEDICINE CLERKSHIP	Proposed Title: *	INTERNAL MEDICINE CLERKSHIP
c. Current Transcript Title (if full title is more than 40 characters):			INTERNAL MED CLERKSHIP	
c. Proposed Transcript Title (if full title is more than 40 characters):			INTERNAL MED CLERKSHIP	

d.	Current Cross-listing: <input type="checkbox"/> N/A	OR	Currently ² Cross-listed with (Prefix & Number): none		
	Proposed – ADD ² Cross-listing (Prefix & Number):				
	Proposed – REMOVE ^{2,4} Cross-listing (Prefix & Number):				
e.	Courses must be described by <u>at least one</u> of the meeting patterns below. Include number of actual contact hours ² for each meeting pattern type.				
Current:	Lecture	Laboratory ²	Recitation	Discussion	Indep. Study
	Clinical 90	Colloquium	Practicum	Research	Residency
	Seminar	Studio	Other: Please explain:		
Proposed: *	Lecture	Laboratory ²	Recitation	Discussion	Indep. Study
	Clinical 90	Colloquium	Practicum	Research	Residency
	Seminar	Studio	Other: Please explain:		
f.	Current Grading System:	Graduate School Grade Scale			
	Proposed Grading System:*	<input checked="" type="radio"/> Letter (A, B, C, etc.) <input type="radio"/> Pass/Fail <input type="radio"/> Medicine Numeric Grade (Non-medical students will receive a letter grade)			
g.	Current number of credit hours:	6	Proposed number of credit hours:*	6	
h.*	Currently, is this course repeatable for additional credit?				<input type="radio"/> Yes <input checked="" type="radio"/> No
*	Proposed to be repeatable for additional credit?				<input type="radio"/> Yes <input checked="" type="radio"/> No
	If YES:	Maximum number of credit hours:			
	If YES:	Will this course allow multiple registrations during the same semester?			<input type="radio"/> Yes <input checked="" type="radio"/> No
i.	Current Course Description for Bulletin:				
	This is an eight-week clinical course designed to provide physician assistant students with experience in evaluating and treating common problems encountered in Internal Medicine. Experience is provided at the level of a primary care physician assistant, and emphasis is placed on performing a history and physical exam, selecting and interpreting laboratory exams, establishing a logical differential diagnosis, conducting research on clinical programs, performing selected studies, and establishing a tentative treatment plan.				
*	Proposed Course Description for Bulletin:				
	This is an eight-week clinical course designed to provide physician assistant students with experience in evaluating and treating common problems encountered in Internal Medicine. Experience is provided at the level of a primary care physician assistant, and emphasis is placed on performing a history and physical exam, selecting and interpreting laboratory exams, establishing a logical differential diagnosis, conducting research on clinical programs, performing selected studies, and establishing a tentative treatment plan.				
j.	Current Prerequisites, if any:				
	Prereq: Enrollment in the Physician Assistant program and successful completion of the didactic portion of the PA curriculum.				
*	Proposed Prerequisites, if any:				
	Prereq: Enrollment in the Physician Assistant program and successful completion of the didactic portion of the PA curriculum.				
k.	Current Supplementary Teaching Component, if any:			<input type="radio"/> Community-Based Experience <input type="radio"/> Service Learning <input type="radio"/> Both	

Proposed Supplementary Teaching Component:	<input type="radio"/> Community-Based Experience <input type="radio"/> Service Learning <input type="radio"/> Both <input type="radio"/> No Change
3. Currently, is this course taught off campus?	<input type="radio"/> Yes <input checked="" type="radio"/> No
* Proposed to be taught off campus?	<input type="radio"/> Yes <input checked="" type="radio"/> No
If YES, enter the off campus address:	
4.* Are significant changes in content/student learning outcomes of the course being proposed?	<input type="radio"/> Yes <input checked="" type="radio"/> No
If YES, explain and offer brief rationale:	
5. Course Relationship to Program(s).	
a.* Are there other depts and/or pgms that could be affected by the proposed change?	<input type="radio"/> Yes <input checked="" type="radio"/> No
If YES, identify the depts. and/or pgms:	
b.* Will modifying this course result in a new requirement² for ANY program?	<input type="radio"/> Yes <input checked="" type="radio"/> No
If YES ² , list the program(s) here:	
6. Information to be Placed on Syllabus.	
a. <input type="checkbox"/> Check box if changed to 400G or 500.	If changed to 400G- or 500-level course you must send in a syllabus and you must include the different between undergraduate and graduate students by: (I) requiring additional assignments by the graduate and/or (II) establishing different grading criteria in the course for graduate students. (See SR 3.1.4.)

Distance Learning Form

This form must accompany every submission of a new/change course form that requests distance learning delivery. This form may be required when changing a course already approved for distance learning. **Fields in red are required!**

Introduction/Definition: For the purposes of the Commission on Colleges Southern Association of Colleges and Schools accreditation review, *distance learning* is defined as educational process in which the majority of the instruction (interaction between students and instructors and among students) in a course occurs when students and instructors are not in the same place. Instruction may be synchronous or asynchronous. A distance learning (DL) course may employ correspondence study, or audio, video, or computer technology.

A number of specific requirements are listed for DL courses. **The department proposing the change in delivery method is responsible for ensuring that the requirements are satisfied at the individual course level.** It is the responsibility of the instructor to have read and understood the university-level assurances regarding an equivalent course utilizing DL. (available at <http://www.uky.edu/USC/New/forms.htm>).

Course Number and Prefix: PAS 669	Date: 11/29/2012
Instructor Name: Virginia Valentin	Instructor Email: virginia.valentin@uky.edu
Check the method below that best reflects how the majority of the course content will be delivered.	
Internet/Web-based <input type="checkbox"/>	Interactive Video <input type="checkbox"/>
Hybrid <input checked="" type="checkbox"/>	

Curriculum and Instruction

1. How does this course provide for timely and appropriate interaction between students and faculty and among students? Does the course syllabus conform to University Syllabus Guidelines, specifically the Distance Learning Considerations?
 Students will participate in this course, interacting with fellow students and faculty via Blackboard. The syllabus explains how to contact the instructor (via email and phone) and expected response times. The syllabus
2. How do you ensure that the experience for a DL student is comparable to that of a classroom-based student's experience? Aspects to explore: textbooks, course goal assessment of student learning outcomes, etc.
 The course goals and content are the same as for a typical classroom-based experience. Quizzes, written assignments and performance are as challenging as for any comparable course. To ensure the highest production quality possible,

3. How is the integrity of student work ensured? Please speak to aspects such as password-protected course portals, proctors for exams at interactive video sites; academic policy; etc.

Students will access Blackboard with their user login and password. Students will also submit all written work through SafeAssign on Blackboard. Written work will be graded by the instructor. Final exams require proctoring by

4. Will offering this course via DL result in at least 25% or at least 50%* (based on total credit hours required for completion) of a degree program being offered via an as defined above?

No

If yes, which percentage, and which program(s)?

*As a general rule, if approval of a course for DL delivery results in 50% or more of a program being delivered through DL, the effective date of the course's DL delivery is the date of approval.

5. How are students taking the course via DL assured of equivalent access to student services, similar to that of a student taking the class in a traditional classroom setting?
- The students taking this course will have equivalent access to student services via the UK Library services and other UK student support websites. Students will be able to use their LinkBlue ID to access these resources.

Library and Learning Resources

6. How do course requirements ensure that students make appropriate use of learning resources?

This course is Blackboard-based; the students have to access it for a copy of the syllabus, quizzes, written assignments. The students must use UK Library services to obtain the majority of the reading assignments and to

7. Please explain specifically how access is provided to laboratories, facilities, and equipment appropriate to the course or program.

Students will not require access to equipment outside of a personal computer and appropriate software. Students will primarily use the services of UK's Distance Learning, UK Distance Learning Library and electronic access to UK

Student Services

8. How are students informed of procedures for resolving technical complaints? Does the syllabus list the entities available to offer technical help with the delivery and/or the course, such as the Information Technology Customer Service Center (<http://www.uky.edu/UKIT/>)?

Students are informed via the syllabus and given contact information for technical issues.

9. Will the course be delivered via services available through the Distance Learning Program (DLP) and the Academic Technology Group (ATL)?

Yes

No

If no, explain how students enrolled in DL courses are able to use the technology employed, as well as how students will be provided with assistance in using said technology.

10. Does the syllabus contain all the required components, below? Yes

- Instructor's *virtual* office hours, if any.
- The technological requirements for the course.
- Contact information for Distance Learning programs (<http://www.uky.edu/DistanceLearning/>) and Information Technology Customer Service Center (<http://www.uky.edu/UKIT/Help/>; 859-218-HELP).
- Procedure for resolving technical complaints.
- Preferred method for reaching instructor, e.g. email, phone, text message.
- Maximum timeframe for responding to student communications.
- Language pertaining academic accommodations:
 - "If you have a documented disability that requires academic accommodations in this course, please make your request to the University Disability Resource Center. The Center will require current disability documentation. When accommodations are approved, the Center will provide me with a Letter of Accommodation detailing the recommended accommodations. Contact the Disability Resource Center, Jake Karnes, Director at 859-257-2754 or jkarnes@email.uky.edu."
- Specific dates of face-to-face or synchronous class meetings, if any.
- Information on Distance Learning Library Services (<http://www.uky.edu/Libraries/DLLS/>)
 - Carla Cantagallo, DL Librarian
 - Local phone number: 859 257-0500, ext. 2171; long-distance phone number: (800) 828-0439 (option #6)
 - Email: dllservice@email.uky.edu
 - DL Interlibrary Loan Service: http://www.uky.edu/Libraries/libpage.php?lib_id=253&lib_id=16

11. I, the instructor of record, have read and understood all of the university-level statements regarding DL.

Instructor Name: Virginia Valentin

Abbreviations: DLP = Distance Learning Programs ATG = Academic Technology Group Customer Service Center = 859-218-HELP (<http://www.uky.edu/UKIT/Help/>)

Revised 8/09

¹¹ See comment description regarding minor course change. *Minor changes are sent directly from dean's office to Senate Council Chair.* If Chair deems the change as "i form will be sent to appropriate academic Council for normal processing and contact person is informed.

¹² Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.

¹³ Signature of the chair of the cross-listing department is required on the Signature Routing Log.

¹⁴¹ Removing a cross-listing does not drop the other course – it merely unlinks the two courses.

¹⁴² Generally, undergrad courses are developed such that one semester hr of credit represents 1 hr of classroom meeting per wk for a semester, exclusive of any lab meeting generally represents at least two hrs per wk for a semester for 1 credit hour. (See SR 5.2.1.)

¹⁴³ You must *also* submit the Distance Learning Form in order for the course to be considered for DL delivery.

¹⁴⁴ In order to change a program, a program change form must also be submitted.

Submit as New Proposal

Save Current Changes

Delete Form Data and Attachments

PAS 669: IM Clerkship

Division of Physician Assistant Studies
Department of Health Sciences
College of Health Sciences
University of Kentucky

Course Director

Virginia L. Valentin, MCMS, PA-C
201 Wethington Building
859-323-1100 ext.80587
virginia.valentin@uky.edu

Office hours

By appointment only. Email is the best form of communication, office phone is also available. Professor Valentin will attempt to return all email communications within 24 hours. Please send all emails with subject title: Internal Medicine Clerkship.

Course Description

This is an 8-week clinical course designed to provide the master's physician assistant student with experience in evaluating and treating common problems encountered in Internal Medicine both in an ambulatory and hospital settings.

You will necessitate access to a computer with Windows 7 and internet access for this course. You will need to access Exam Master and Blackboard regularly. Each student must self-enroll in the course via Blackboard prior to the beginning of the course. If you are unable to enroll in the course please contact me directly.

You are expected to use Blackboard to do the following:

1. Send Professor Valentin a message every 2 weeks with a short update on your experience (i.e. Hours working, what you are learning, what you hope to see/do in the weeks ahead, etc.)
2. Submit assignments per due date, listed below.

Structure of Student Learning

This course requires the use of distance technology for the following:

- All assignments to be submitted through Blackboard.
- Dictation assignments utilize Blackboard.
- Changes in the course or notifications will be found on Blackboard, email so please check these often.
- Exams and quizzes will be given online through Exam Master, a web based company.
- Preceptor evaluations will be turned in through fax and/or PA Manager, a web-based program.
- Patient Logs must be turned in through PA Manager, a web-based program.
- Grades will be posted on Blackboard before posted on your UK records.
- 90% of your course work will be completed in other locations than UK Campus.

Texts

Required:

McPhee, et al. Current Medical Diagnosis and Treatment, McGraw-Hill.

Optional References:

Maxwell Quick Medical Reference
Sanford Guide to Antimicrobial Therapy 2012
Tarascon Pocket Pharmacopoeia 2012

Ferri, Fred. Practical Guide to The Care of the Medical patient, Mosby, 7th Edition.

Gomella and Haist. The Scut Monkey Pocket Reference, Clinician's Pocket Reference, McGraw-Hill, 11th edition.

Labus, James. The Physician Assistant medical handbook, Saunders, 2nd edition.

Wilson, et al. Harrison's Principles of Internal Medicine, McGraw-Hill Publishers, Inc.

Androeli, et al. Cecil Essentials of Medicine, W. B. Saunders, Co. Publishers

Optional Applications:

General: Epocrates, Diagnosaurus DDX (\$0.99), Med Reference (\$0.99), Normal lab values (\$1.99),
Eponyms (for students)

Cardiology: ACC Pocket Guidelines, ECG Source (\$1.99) Dermatology: Pocket Derm (\$0.99)

Psych: Psych drugs Neuro: NeuroMind Oncology: NCCN guidelines

Peds: Pedi STAT (\$2.99) Radiology: Radiology 2.0: One night in the ED

<u>Evaluation and Grading</u>	<u>%</u>	<u>Points</u>	<u>Due</u>
Preceptor Evaluation	50%	500	EOC #2
Exam #1	15%	150	EOC #1
Exam #2	15%	150	EOC #2
Assignment #1	5%	50	Wednesday before EOC
Assignment #2	5%	50	Wednesday before EOC
Professionalism	10%	100	
Total:	100%	1000	
Extra Credit Quizzes	5%	50	See Quizzes section
Mid Rotation Evaluations	Pass/Fail		Second Friday of rotation
PA Manager Patient Log	Pass/Fail		EOC #1 and #2

Grades will be assigned on a standard scale:

A = 90.0-100.0

B = 80.0- 89.9%

C = 70.0- 79.9%

E = < 70%

Policy Regarding Late Work

Late work will not be accepted.

Attendance

No unexcused absences are allowed. Excused absences will be allowed per UK policy 5.2.4.2 <http://www.uky.edu/StudentAffairs/Code/Section%20V.pdf> and requested per the clinical clerkship manual.

Exams

Exam 1 will be given following the first four weeks and will cover cardiology, pulmonary, GU, neurology and ID. Exam 2 will be given at the end of the last four weeks and will cover GI, musculoskeletal, EENT, endocrine, dermatology and hematology. At the discretion of the course director, as much as 20% of exam 2 material will be comprehensive from exam 1. Following the exam you will have one hour to sit and review the questions on Exam Master. Copying exam questions, taking notes or photos of the exam will be considered cheating.

Any student requesting to take the exam at a time other than at EOC must receive written permission from the course director.

To pass the clerkship, each student must pass their exams with average score of both exams of 60% or higher. If lower the student must retake the exam with the lowest score and have a combined score of 60% or higher to pass the IM clerkship. The student will have 2 weeks to arrange a retake exam with their clerkship director. The highest grade a student could obtain on the retake exam will be 90%, regardless of the score achieved.

Technology for Distance Learning Course

- The technological requirements for the course may be found at the following link: <http://www.uky.edu/DistanceLearning/faculty/technology/techReqs.html>
- Contact information for Distance Learning programs (<http://www.uky.edu/DistanceLearning>) and Information Technology Customer Service Center (<http://www.uky.edu/UKIT/Help/>; 859-218-HELP).
- Procedure for resolving technical complaints: Call 859-218-HELP, if not resolved, then contact instructor via email.
- Preferred method for reaching instructor, email at Virginia.valentin@uky.edu
- Maximum timeframe for responding to student communications. 24 hours for the week and 48 hours for the weekend.
- If you have a documented disability that requires academic accommodations in this course, please make your request to the University Disability Resource Center. The Center will require current disability documentation. When accommodations are approved, the Center will provide me with a Letter of Accommodation which details the recommended accommodations. Contact the Disability Resource Center, Jake Karnes, Director at 859-257-2754 or jkarnes@email.uky.edu.
- Students will have 2 days of class meetings on campus every month. Those will be listed in the student clerkship manual.
- Information on Distance Learning Library Services (<http://www.uky.edu/Libraries/DLLS>)
 - Carla Cantagallo, DL Librarian
 - Local phone number: 859 257-0500, ext. 2171; long-distance phone number: (800) 828-0439 (option #6)
 - Email: dllservice@email.uky.edu
 - DL Interlibrary Loan Service:
http://www.uky.edu/Libraries/libpage.php?lweb_id=253&llib_id=16

Assignments

You will have two assignments one for the first 4 weeks and the second for the last 4 weeks in the clinical rotation. *The assignments are due on blackboard the Wednesday prior to each EOC by midnight.*

The assignment has 2 components:

- A. Dictation
- B. Pathology and differential diagnosis

Dictation

You are expected to use Sound Recorder to record yourself doing a dictation on a patient you have seen in your rotation. The dictation should include the following items:

- Name
- Supervising MD
- Date of Service
- Patient name, DOB, MRN (do NOT use ANY true patient identifiers)
- Chief Complaint
- History of Present Illness
- Medication List with Indication and Medication Allergies
- Past Medical and Surgical History
- Family History and Social History
- Complete Review of Systems
- Physical Exam (Full exam including vital signs)
- Labs or Diagnostic tests
- Assessment (Numbered List)
- Plan

Pathophysiology and differential diagnosis

Written portion will include two sections. The first section is a 1-2 page report on the pathophysiology of the primary diagnosis or disease process from your dictation and will include cited references. The second section is at least two differential diagnoses on each "Assessment" item from dictation. These patients are complicated and should have at least four "Assessment" items.

Grading of Assignment:

Dictation portion is worth 70% of grade with breakdown including: Dictation clear and organized with all items completed (20%), Medication list with Indication (10%), Review of Systems (10%), Physical Exam (10%), Assessment (10%), and Plan (10%).

Pathophysiology and differential diagnosis portion is worth 30% of grade.

Using Sound Recorder for Dictation

Using Sound Recorder, you can record sound as a digital media file on your computer from a variety of devices, such as a microphone that is plugged in to your sound card. The types of audio input sources you can record from depend on the audio devices you have, as well as on the input sources that are available on the sound card that is installed on your computer.

1. Make sure you have an audio input device, such as a microphone, connected to your computer.
2. Click Start, click All Programs, click Accessories, and then click Sound Recorder.
3. Click Start Recording.
4. To stop recording audio, click Stop Recording.
5. (Optional) If you want to continue recording audio, click Cancel. In the Save As dialog box, click Resume Recording, continue to record sound, and then click Stop Recording.
6. Click the File name box, type a file name for the recorded sound, and then click Save to save the recorded sound as an audio file.

Professionalism

This PA division believes that professionalism is an important quality of being a PA student and future practicing clinician. Each student will be evaluated on professionalism throughout this course. Criteria to be evaluated in the professionalism component will include, but will not be limited to, the following areas: honesty, attendance and punctuality, on-site behavior, preparedness, respect and appropriate interaction with AHEC, faculty, staff, preceptors and fellow students.

Quizzes

All quizzes are optional extra credit. *Quizzes will be accessed via Exam Master on the 2nd, 3rd, 5th, 6th and 7th Mondays of the rotation at noon. They will be due Friday at midnight of the same week.* The quizzes are open book. The following Monday at noon the quiz will be opened for review. This review will be available for 24 hours only. These quizzes are each worth 1% extra credit and are to assist you in focusing your studies for the exam. The quiz extra credit will be given on a pass/fail basis. You must get 70% on the quiz to pass and receive the extra credit points.

PA Manager

Recording all patient encounters in PA Manager is required for successful completion of the IM Clerkship. While this course does not specify a 'passing' number of entries, the course director will review all recordings and observes the right to determine whether a passing/failing grade has been achieved by the student. *PA Manager patient encounters are due at each EOC.*

Daily Reading

Due to the amount of material and contact hours required over the next 8 weeks, it is imperative that you consistently read throughout your rotation. It is the expectation that you read/study 2 hours each day to prepare for your clerkship and the PANCE.

Recommendations

- You only get one chance to make a first impression! Contact your preceptor before your rotation. If you are unable to go by, then contact the office and remind him/her that you are coming for 4/8 weeks and looking forward to the experience.
- Be prepared. Ask your preceptor for commonly seen diagnoses in their practice and read up on these. Always have your name tag, stethoscope and other needed supplies.
- Always be respectful and interested in your preceptor's patients and specialty.
- Do not be late.
- At the end of the rotation personally thank all those who helped you in your education (including office staff, billing personnel, nursing etc.).
- I look forward to assisting each of you in learning Internal Medicine, please contact me with concern or questions throughout your rotation.

Internal Medicine Learning Objectives

The master's physician assistant student shall demonstrate knowledge and skill in evaluating and managing chronic medicine diseases and conditions at the level of a master's primary care physician assistant. Competency in of the following is expected. Competency to evaluate and treat patients with the following diseases is expected:

- Obtain an appropriate history
- Perform an appropriate physical examination
- Select and carry out appropriate studies
- Analyze clinical and laboratory data
- Establish a logical diagnosis and ddx
- Prioritize clinical information for presentation in oral and written form
- Establish a tentative treatment plan
- Propose pharmacologic and non-pharmacologic treatment strategies
- Perform admissions and discharges from the hospital
- Manage IV fluids
- Describe indications for referral, consultation, and ancillary service needs
- Perform hospital rounds with appropriate charting

Cardiology

Secondary
Hypertensive emergencies

Cardiomyopathy

Dilated
Hypertrophic
Restrictive

Hypotension
Cardiogenic shock
Orthostatic hypotension

Conduction Disorders

Atrial fibrillation/flutter
Atrioventricular block
Bundle branch block
Paroxysmal supraventricular tachycardia
Premature beats
Sick sinus syndrome
Ventricular tachycardia
Ventricular fibrillation
Torsades de pointes

Coronary Heart Disease
Acute myocardial infarction
Angina Pectoris

- Non-ST segment elevation
- ST segment
- Stable and Unstable
- Prinzmetal variant

Congenital Heart Disease

Atrial septal defect
Coarctation of aorta
Patent ductus arteriosus
Tetralogy of Fallot
Ventricular septal defect
Heart Failure

Vascular Disease
Aortic aneurysm/dissection
Arterial embolism/thrombosis
Giant cell arteritis
Peripheral arterial disease
Phlebitis/thrombophlebitis
Varicose veins
Venous insufficiency
Venous thrombosis

Hypertension

Essential

Valvular Disease
Aortic stenosis
Aortic regurgitation

Mitral stenosis
Mitral regurgitation
Mitral valve prolapse
Tricuspid stenosis
Tricuspid regurgitation
Pulmonary stenosis
Pulmonary regurgitation

Other Forms of Heart Disease

Acute and subacute bacterial endocarditis
Acute pericarditis
Cardiac tamponade
Pericardial effusion

Pulmonology

Infectious Disorders

Acute bronchitis
Acute bronchiolitis
Acute epiglottitis
Croup
Influenza
Pertussis
Pneumonias
• Bacterial
• Viral
• Fungal
• HIV-related
Respiratory syncytial virus infection
Tuberculosis

Neoplastic Disease

Carcinoid tumors
Lung cancer

Obstructive Pulmonary Disease

Asthma
Bronchiectasis
Chronic bronchitis
Cystic fibrosis
Emphysema

Pleural Diseases

Pleural effusion
Pneumothorax

Pulmonary Circulation

Cor pulmonale
Pulmonary embolism
Pulmonary hypertension

Restrictive Pulmonary Disease

Idiopathic pulmonary fibrosis
Pneumoconiosis

Sarcoidosis

Other Pulmonary Disease

Acute respiratory distress syndrome
Hyaline membrane disease
Foreign body aspiration

Gastrointestinal

Esophagus

Esophagitis
Motility disorders
Mallory-Weiss tear
Neoplasms
Strictures
Varices

Stomach

Gastroesophageal reflux disease
Gastritis
Neoplasms
Peptic ulcer disease
Pyloric stenosis

Gallbladder

Acute/chronic cholecystitis
Cholangitis
Cholelithiasis

Liver

Acute/chronic hepatitis
Cirrhosis
Neoplasms

Pancreas

Acute/chronic pancreatitis
Neoplasms

Small Intestine/Colon

Appendicitis
Celiac disease
Constipation
Diverticular disease
Inflammatory bowel disease
Intussusception
Irritable bowel syndrome
Ischemic bowel disease
Lactose intolerance

Neoplasms
Obstruction
Polyps
Toxic megacolon
Rectum
Anal fissure
Hemorrhoids
Abscess/fistula
Fecal impaction
Neoplasms

Hernia

Infectious and Non-infections Diarrhea
Vitamin and Nutritional Deficiencies
Metabolic Disorders
Phenylketonuria

Musculoskeletal

Disorders of the Shoulder

Fractures/dislocations
Soft tissue injuries

Disorders of the Forearm/Wrist/Hand

Fractures/dislocations
Soft tissue injuries

Disorders of the Back/Spine

Ankylosing spondylitis
Back strain/sprain
Cauda equina
Herniated nucleus pulposus
Kyphosis
Low back pain
Scoliosis
Spinal stenosis

Disorders of the Hip

Avascular necrosis
Development dysplasia
Fractures/dislocations
Slipped capital femoral epiphysis

Disorders of the Knee

Fractures/dislocations
Osgood-Schlatter disease
Soft tissue injuries

Disorders of the Ankle/Foot

Fractures/dislocations
Soft tissue injuries

Infectious Diseases

Acute/chronic osteomyelitis
Septic arthritis

Neoplastic Disease

Bone cysts/tumors
Ganglion cysts

Osteoarthritis

Osteoporosis
Compartment Syndrome

Rheumatologic Conditions

Fibromyalgia
Gout/pseudogout
Juvenile rheumatoid arthritis
Polyarteritis nodosa
Polymyositis
Polymyalgia rheumatica
Reactive arthritis (Reiter syndrome)
Rheumatoid arthritis
Systemic lupus erythematosus
Systemic sclerosis (Scleroderma)
Sjögren syndrome

EENT

Eye Disorders

Blepharitis
Blowout fracture
Cataract
Chalazion
Conjunctivitis
Corneal abrasion
Corneal ulcer
Dacryoadenitis
Ectropion
Entropion
Foreign body
Glaucoma
Hordeolum
Hyphema
Macular degeneration
Nystagmus
Optic neuritis
Orbital cellulitis
Papilledema
Pterygium
Retinal detachment
Retinal vascular occlusion
Retinopathy
Strabismus

Ear Disorders

Acute/chronic otitis media
Acoustic neuroma
Barotrauma
Cholesteatoma
Dysfunction of eustachian tube
Foreign body
Hearing impairment
Hematoma of external ear
Labyrinthitis
Mastoiditis
Meniere disease
Otitis externa
Tinnitus
Tympanic membrane perforation
Vertigo

Nose/Sinus Disorders

Acute/chronic sinusitis
Allergic rhinitis
Epistaxis
Foreign body
Nasal polyps

Mouth/Throat Disorders

Acute pharyngitis
Aphthous ulcers
Diseases of the teeth/gums
Epiglottitis
Laryngitis
Oral candidiasis
Oral herpes simplex
Oral leukoplakia
Peritonsillar abscess
Parotitis
Sialadenitis

Benign and malignant neoplasms**Endocrine****Diseases of the Thyroid Gland**

Hyperparathyroidism
Hypoparathyroidism
Hyperthyroidism
Hypothyroidism
Neoplastic disease
Thyroiditis

Diseases of the Adrenal Glands

Corticoadrenal insufficiency

Cushing syndrome
Neoplastic disease

Diseases of the Pituitary Gland

Acromegaly/gigantism
Diabetes insipidus
Dwarfism
Neoplastic disease
Pituitary adenoma

Diabetes Mellitus

Type 1
Type 2

Lipid Disorders

Hypercholesterolemia
Hypertriglyceridemia

Gentourinary**GU Tract Conditions**

Benign prostatic hyperplasia
Congenital abnormalities
Cryptorchidism
Erectile dysfunction
Hydrocele/varicocele
Incontinence
Nephro/urolithiasis
Paraphimosis/phimosis
Testicular torsion

Infectious/Inflammatory Conditions

Cystitis
Epididymitis
Orchitis, Urethritis
Prostatitis
Pyelonephritis

Neoplastic Diseases

Bladder carcinoma
Prostate carcinoma
Renal cell carcinoma
Testicular carcinoma
Wilms tumor

Renal Diseases

Acute renal failure
Chronic kidney disease
Glomerulonephritis
Hydronephrosis
Nephrotic syndrome

Polycystic kidney disease
Renal vascular disease

Fluid and Electrolyte Disorders

Hypervolemia
Hypovolemia

Acid/Base Disorders

Neurology

Diseases of Peripheral Nerves

Complex regional pain syndrome
Peripheral neuropathies

Headaches

Cluster headache
Migraine
Tension headache

Infectious Disorders

Encephalitis
Meningitis

Movement Disorders

Essential tremor
Huntington disease
Parkinson disease

Vascular Disorders

Cerebral aneurysm
Intracranial hemorrhage
Stroke
Transient ischemic attack

Other Neurologic Disorders

Altered level of consciousness
Cerebral palsy
Concussion
Dementias
Delirium
Guillain-Barré syndrome
Multiple sclerosis
Myasthenia gravis
Post-concussion syndrome
Seizure disorders
Status epilepticus
Syncope
Tourette disorder

Dermatology

Eczematous Eruptions

Dermatitis
Dyshidrosis
Lichen simplex chronicus

Papulosquamous Diseases

Drug eruptions
Lichen planus
Pityriasis rosea
Psoriasis

Desquamation

Erythema multiforme
Stevens-Johnson syndrome
Toxic epidermal necrolysis

Vesicular Bullae

Bullous pemphigoid

Acneiform Lesions

Acne vulgaris
Rosacea

Verrucous Lesions

Actinic keratosis
Seborrheic keratosis

Insects/Parasites

Lice
Scabies
Spider bites

Neoplasms

Basal cell carcinoma
Kaposi sarcoma
Melanoma
Squamous cell carcinoma

Hair and Nails

Alopecia
Onychomycosis
Paronychia

Viral Diseases

Condyloma acuminatum
Exanthems
Herpes simplex
Molluscum contagiosum
Varicella-zoster virus infections
Verrucae

Bacterial Infections

Cellulitis
Erysipelas
Impetigo

Fungal Infections

Candidiasis
Dermatophyte infections

Other

Acanthosis nigricans
Burns
Hidradenitis suppurativa
Lipomas/epithelial inclusion cysts
Melasma
Pilonidal disease
Pressure ulcers
Urticaria
Vitiligo

Hematology**Anemias**

Anemia of chronic disease
Aplastic anemia
Folate deficiency
G6PD deficiency
Hemolytic anemia
Iron deficiency
Sickle cell anemia
Thalassemia
Vitamin B12 deficiency

Coagulation Disorders

Clotting factor disorders
Hypercoagulable states
Thrombocytopenia
• Idiopathic thrombocytopenic purpura
• Thrombotic thrombocytopenic purpura

Malignancies

Acute/chronic lymphocytic leukemia
Acute/chronic myelogenous leukemia
Lymphoma
Multiple myeloma

Infectious Disease**Fungal Disease**

Candidiasis
Cryptococcosis
Histoplasmosis
Pneumocystis

Bacterial Disease

Acute rheumatic fever
Botulism
Chlamydia, Cholera
Diphtheria
Gonococcal infections
Salmonellosis
Shigellosis
Tetanus

Mycobacterial Disease

Atypical mycobacterial disease
Tuberculosis

Parasitic Disease

Helminth infestations
Malaria
Pinworms
Toxoplasmosis

Spirochetal Disease

Lyme disease
Rocky Mountain spotted fever
Syphilis

Viral Disease

Cytomegalovirus infections
Epstein-Barr virus infections
Erythema infectiosum
Herpes simplex

HIV infection

Human papillomavirus infections
Influenza
Measles

Mumps, Rubella

Rabies
Roseola
Varicella-zoster virus infection