

APPLICATION FOR NEW COURSE

1. Submitted by the College of Health Sciences Date: 10/4/07

Department/Division proposing course: Clinical Sciences/Physician Assistant Studies

2. Proposed designation and Bulletin description of this course:

a. Prefix and Number PAS 678

b. Title* Health Promotion and Disease Prevention

*If title is longer than 24 characters, write a sensible title (24 characters or less) for use on transcripts:

Hlth Pro & Disease Prev

c. Courses must be described by at least one of the categories below. Include the number of actual contact hours per week for each category, as applicable.

() CLINICAL () COLLOQUIUM () DISCUSSION () LABORATORY (2) LECTURE
() INDEPEND. STUDY () PRACTICUM () RECITATION () RESEARCH () RESIDENCY
() SEMINAR () STUDIO () OTHER – Please explain: _____

d. Please choose a grading system: Letter (A, B, C, etc.) Pass/Fail

e. Number of credit hours: 2

f. Is this course repeatable? YES NO If YES, maximum number of credit hours: _____

g. Course description:

This course is designed to focus on health promotion and disease prevention in primary care medical practice. The course reflects concerns expressed in Healthy People 2010 which call for an increased emphasis on preventive medicine and reflects the need for additional disease education for physician assistant students. The course will address topics such as immunizations, genetic counseling, complementary and alternative medicine, and health and wellness.

h. Prerequisite(s), if any:

Enrollment in the Physician Assistant Program.

i. Will this course be offered through Distance Learning? YES NO

If YES, please circle one of the methods below that reflects how the majority of the course content will be delivered:

Internet/Web-based

Interactive video

Extended campus

Kentucky Educational Television (KET/teleweb)

Other

Please describe "Other": _____

3. Teaching method: N/A or Community-Based Experience Service Learning Component Both

4. To be cross-listed as: N/A
Prefix and Number

Signature of chair of cross-listing department

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5. Requested effective date (term/year): Summer II / 2008
6. Course to be offered (please check all that apply): Fall Spring Summer
7. Will the course be offered every year? YES NO
If NO, please explain: _____
8. Why is this course needed?
The proposed course addresses topics related to best practice for physician assistants and is consistent with curriculum content recommended by the Accreditation Review Commission for the Education of Physician Assistants (ARC-PA). To date, this course content has been addressed in PAS 680: Seminar in Physician Assistant Studies. Students register for PAS 680 twice for a total of 4 credits. Two credits pertain to health promotion and disease prevention and the remaining two credits pertain to a variety of subjects pertinent to clinical practice and professional life of the PA. The proposed course provides a title and course description that better reflect the topic and purposes for the course and indicates the importance of these topics.

9. a. By whom will the course be taught? David Fahringer, MHA, PA-C
- b. Are facilities for teaching the course now available? YES NO
If NO, what plans have been made for providing them?

10. What yearly enrollment may be reasonably anticipated?
54 students
11. a. Will this course serve students primarily within the department? Yes No
- b. Will it be of interest to a significant number of students outside the department? YES NO
If YES, please explain.

12. Will the course serve as a University Studies Program course[†]? YES NO
If YES, under what Area? _____
[†]AS OF SPRING 2007, THERE IS A MORATORIUM ON APPROVAL OF NEW COURSES FOR USP.
13. Check the category most applicable to this course:
- traditional – offered in corresponding departments at universities elsewhere
 - relatively new – now being widely established
 - not yet to be found in many (or any) other universities
14. Is this course applicable to the requirements for at least one degree or certificate at UK? Yes No
15. Is this course part of a proposed new program? YES NO

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If YES, please name: _____

16. Will adding this course change the degree requirements for ANY program on campus? YES NO
 If YES[‡], list below the programs that will require this course:
 PAS 678 will be added to the list of required courses for graduation from the PAS master's program. However, the total number of hours required for graduation will not change. At present, students take PAS 680 for a total of 4 credits (2 per semester). With the addition of the proposed course, students will take PAS 680 for 2 credits and PAS 678 for 2 credits.

[‡]In order to change the program(s), a program change form(s) must also be submitted.

17. The major teaching objectives of the proposed course, syllabus and/or reference list to be used are attached.
18. Check box if course is 400G or 500. If the course is 400G- or 500-level, you must include a syllabus showing differentiation for undergraduate and graduate students by (i) requiring additional assignments by the graduate students; and/or (ii) the establishment of different grading criteria in the course for graduate students. (See SR 3.1.4)

19. Within the department, who should be contacted for further information about the proposed new course?

Name: Julie Gurwell, PhD, PA-C Phone: 323-1100, 80843 Email: jagur@uky.edu

20. Signatures to report approvals:

11-7-07	<div style="display: flex; justify-content: space-between;"> _____ _____ _____ </div>
DATE of Approval by Department Faculty	<div style="display: flex; justify-content: space-between; font-size: small;"> printed name Reported by Department Chair signature </div>
12-10-07	<div style="display: flex; justify-content: space-between;"> _____ _____ _____ </div>
DATE of Approval by College Faculty	<div style="display: flex; justify-content: space-between; font-size: small;"> printed name Reported by College Dean signature </div>
/	/
* DATE of Approval by Undergraduate Council	<div style="display: flex; justify-content: space-between; font-size: small;"> printed name Reported by Undergraduate Council Chair signature </div>
/	/
* DATE of Approval by Graduate Council	<div style="display: flex; justify-content: space-between; font-size: small;"> printed name Reported by Graduate Council Chair signature </div>
/	/
* DATE of Approval by Health Care Colleges Council (HCCC)	<div style="display: flex; justify-content: space-between; font-size: small;"> printed name Reported by Health Care Colleges Council Chair signature </div>
/	/
* DATE of Approval by Senate Council	Reported by Office of the Senate Council
/	/
* DATE of Approval by University Senate	Reported by Office of the Senate Council

*If applicable, as provided by the *University Senate Rules*. (<http://www.uky.edu/USC/New/RulesandRegulationsMain.htm>)

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

PAS 680/678

**Seminar in Physician Assistant Studies:
Health Promotion and Disease Prevention**

Summer Session II - 2008

Course Director: David Fahringer, MSPH, PA-C

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

PAS 678, Seminar in Physician Assistant Studies

Schedule: Monday 12:00 – 1:50 p.m. and Thursday 9:00 a.m. – 11:00 a.m.

Room: CHS 216 (Lexington campus) & Reed Hall (Morehead campus)

Course Description

PAS 680/678, Seminar in Physician Assistant Studies is a 2 credit hour course designed to prepare students for the third year (clerkship year) by focusing on important areas of primary care in medical practice—health promotion and disease prevention. The course expands on the information presented during the spring semester of the Physician Assistant Program curriculum, and utilizes specialists outside the program faculty to present many of the assigned topics. Presentations are transmitted by T-Line to and from the Lexington/Morehead campuses.

PAS 680/678 course reflects concerns expressed in Healthy People 2010 which call for an increased emphasis on preventive medicine and reflects the need for additional disease education among physician assistant students.

Assigned Readings:

Healthy People 2010 www.healthypeople.gov

http://chs.state.ky.us/publichealth/healthy_ky_2010.htm

<http://www.nhlbi.nih.gov/guidelines/hypertension/>

Reading material may be given in form of handouts during the 8 weeks.

Suggested References:

Matzen, Lang. *Clinical Prevention Medicine*. Mosby-year Book, Inc. St. Louis, 1993.

LaDou, Joseph. *Occupational and Environmental Medicine*. 2nd Edition

Course Policies:

The lecturer may fail to cover all aspects of the assigned topic therefore the students will be responsible for completing the assigned reading for the each lecture. Reading material may be used for testing even though it may not be covered in lecture.

In the event that a scheduling conflict completely prevents a lecturer from delivering the lecture, students will still be responsible for the assigned lecture and readings, and the topic will be included in examinations.

If an electronic breakdown occurs during the transmission of the lecture to the distant site—either Lexington or Morehead—the lecture will be videotaped, brought to the alternate site, and placed on library reserve for independent student viewing.

The lecture handout materials are available on the “Blackboard” site, and you will be expected to download and print out your handouts, as they will not be provided at class time. This policy will only apply when handout materials are available on the Blackboard site with 24 hr or more advance notice. Students are responsible for checking their email accounts for messages that pertain to this course.

Additional help sessions may be scheduled by the course coordinator on an “as needed” basis, if there appears to be a general difficulty with understanding a given topic. Individuals who experience difficulty with material are encouraged to contact the course coordinator as early as possible to explore solutions to increasing their understanding.

Regular class attendance is required and will be governed by the University of Kentucky Student Policy Manual.

Blackboard for course:

There will be an online resource for this course in the form of a Blackboard site for the student access. Since the provision of online enhancements to courses is an evolving phenomenon, this syllabus will not include an exhaustive description of the Blackboard site. Students should already be familiar with the logging in procedures for Blackboard, and will follow the same procedures for this course. The address for the Blackboard main entry page is <http://ecourses.uky.edu/>. The Blackboard site will include a copy of this Syllabus, a course description, lecture handout materials, copies of lectures, and other materials to help to enhance learning in this course. As noted above, in some cases, you will be notified that handout materials are available on the Blackboard site, and you will be expected to download and print out your own handouts. *This policy will only apply when handout materials are available on the Blackboard site with 24hr or more advance notice (by email).*

A second module for one credit hour of this course will be the Integrative Medicine Course which is also on Blackboard. (Need to self enroll) **Syllabus: Integrative Care – PA 500-201-20065: HS500 (Cross-listed as AT500, CD500, CLS500, CNU500, PA500 and same as PT686)** Credits 1 didactic – 2 experiential, total 3 credits

The course is taught fall, spring and/or summer semesters using Blackboard (1 credit) for the didactic/interactive instruction and additional variable 1 to 2 credits for research projects and/or small group experiential demonstrations and/or clinical experiences in integrative care.

Blackboard will be used extensively to create a community of learners among the students in various disciplines, despite disparate schedules. Periodic class meetings may be scheduled, including one introductory group meeting.

Examinations and Grading Criteria:

There will be two examinations in this course—a mid-term exam and a comprehensive final exam. Homework assignments, quizzes and exams will cover material presented in class, in handouts, and assigned readings. Length of exams and quizzes will vary, and the format may include short answer, essay, multiple choice, true/false and matching questions. Quizzes and exams will be constructed and graded by the course instructor. All complaints concerning exam or quiz content or grading procedures must be brought to the instructor’s attention within 24 hours after the return of the quiz/exam/homework/paper grade via e-mail. Documentation of the answer that you think is correct, one must give the reference and reasoning. The course instructor’s reply will be the final answer.

Midterm examination (PAS 678)	July 6	20%
Essay papers (5 x 20 points each = 100 points)		10%
	See competencies for due dates	
Midterm examination (PA 500)		20%
Journal/Paper	July 17	10%
Final examination (PAS 678)		20%
Final examination (PA 500)	August 3	20%
Professionalism component		pass/fail

The scale for the final grade is as follows:

- 90% - 100% = A
- 80% - 89% = B
- 70% - 79% = C
- Less than 70% = E

Make-up Exams:

Make-up examinations will only be administrated in cases of excused absences. Oral or written examinations may be required for examinations missed secondary to an excused absence.

The course coordinator will follow standard university policies regarding excused absence, and cheating. These policies are contained in the *Student Rights and Responsibilities Handbook*.

Attendance:

Regular class attendance is required in this course. Attendance will be taken at the beginning of each class session. Any student who fails to attend more than one-fifth of the class contact hours (5 hours) will receive a grade reduction of one letter grade for the course. "Failure to attend" is defined as being more than 15 minutes late or absent from class. Students will be required to make-up missed activities. All absences must be reported to and approved by the course coordinator. The right to request appropriate verification is hereby reserved.

Dress Code:

As professionals in a professional program, appropriate attire is expected.

Office Hours:

The course director will have office hours on Monday from 9 – 12 & 2 – 4, Thursday 11 – 4. Professor Fahringer will make every attempt to answer e-mail messages within 24 hours. Professor Fahringer will make every attempt to be in Morehead as much as possible through out the eight weeks.

Guest lecturers do not have office hours and should not be contacted to discuss lecture or exam content.

Citizenship:

Citizenship refers to class demeanor and contribution in class and on blackboard (bb6). Attendance is expected. Your contributions are important to the success of this class and all students are strongly encouraged to actively participate in discussions in class and on bb6. An interactive, integrative class format will enhance interest, learning, and communication skills. Diplomacy is critical to the enduring success of all students and respect for diverse opinions is essential. An appreciation and respect for differing viewpoints will be encouraged throughout the course.

Professionalism Policy:

This PA division believes that professionalism is an important quality of being a PA student and future practicing clinician. In addition to satisfying the grading criteria as specified in the course syllabus, the student must pass a professionalism component in order to successfully pass each course. The course coordinator and/or instructors will evaluate this component on a pass/fail basis. Criteria to be evaluated in the professionalism component will include, but will not be limited to, the following areas: honesty, class attendance and punctuality, in-class behavior, class preparedness, respectful and appropriate interaction with lecturers, faculty, staff, preceptors and fellow students; ability to work effectively as a team member on group assignments and projects; overall attitude; handling of complaints and disputes including the following of established protocols and chain of command; communication skills, student work ethic; appearance and attire appropriate to place and situation as defined by faculty; and compliance with division, department, college and university policies and procedures including quarterly advisor meetings.

Schedule of class

Please check bb for reading and other assignments for each session under Assignments on bb.

The schedule is subject to change.

June 9	Course overview, Introduction to Preventive Medicine	Prof. Fahringer
June 12	Oral Health Promotion & Disease Prevention	Dr. Skaff
June 16	Bringing the Medical History Out of the Closet	Mr. Crabtree PA-C
June 19	Complementary & Alternative Medicine in Prevention	Prof. Fahringer
June 23	Overview of CAM	Myron Hardesty PAS
	The Phenomenon of the Growing Epidemic of HIV/Aids among African American Female	Ms. Kim Murray PAS
June 26	PA 500 Integrative Medicine Web based (no class)	
June 30	PA 500 Integrative Medicine Web based (no class)	
July 3	PA 500 Integrative Medicine Web based (no class)	
July 7	Mid-Term Exam and Occupational Medicine I	Prof. Fahringer
July 10	Immunizations	Dr. Romanelli
July 13	Osteoporosis	Dr. Harrison
July 18	Healthy People 2010	Prof. Fahringer
July 21	The New Chronic Disease – Obesity: Counseling to Promote Physical Activity, Healthy Diet, & Weight Reduction/ Screening for Cardiovascular Disease	Prof. Fahringer
July 24	Club Drugs	Dr. Romanelli
July 28	Child Abuse	Prof. Fahringer
July 31	Weapons of Mass Destruction the PA's Role	Prof. Fahringer
August 4	Final Exam	

**Division of Physician Assistant Studies
Department of Clinical Sciences
University of Kentucky**

**PAS 678, Seminar in Physician Assistant Studies
Course Goals, Objectives and Competencies**

Upon completion of the classroom presentations and reading assignments, the physician assistant student will be able to:

Goals:

1. The PA student will be able to counsel patients effectively in preventive health practices.
2. The PA student will be able to respond to clinical situations resulting from acts of terrorism.
3. The PA student will be proficient in the diagnosis and management of patients facing conditions common to occupational medicine.
4. The PA student will be able to know the different time line for immunizations for all ages and know the side effects.
5. The PA student will be able to recognize oral lesions and know how to do an oral screening in examination.
6. The PA student will be able to recognize signs and symptoms of child abuse.
7. The PA student will be able to counsel patients who may develop osteoporosis and be proficient in the diagnosis and management.
8. The PA student will identify signs and symptoms of club drug use in teens.
9. The PA student will learn how to elicit a medical history from LGBT patients.
10. The PA student will learn to counsel African American Female patient of the risk for HIV/Aids.
11. The PA student will have a working knowledge of Complementary & Alternative Medicine in prevention.
12. The PA student will have a base knowledge of the different members of the health team in medicine both in the traditional and non-traditional medicine settings.





Objectives and ARC-PA Standards:

1. Demonstrate knowledge of the recommended indications, contraindications, schedules, and side effects of adult and pediatric immunizations, some of which include **B2.1-D**

Diphtheria	Pertussis	Typhoid
Tetanus	Polio	
Measles	Mumps	
Rubella	Hemophilus influenza	
Hepatitis B	Hepatitis A	
Influenza	Meningococcal	
Varicella	Pneumococcal	

2. Demonstrate knowledge of preventive medicine approach in the wellness model. **B5.2, B5.6**
 - a. Given a list of preventive health education needs (e.g., life style – diet, exercise, drugs, alcohol, and tobacco use, the student will accurately counsel the patient on how to make long lasting life style changes. (Cognitive – knowledge)
 - b. When presented with a standardized patient at one of the competency checks, the student will address the benefits of smoking cessation in a respectful yet convincing manner, as assessed by the patient. (Affective – valuing)
3. Demonstrate knowledge through critical thinking in prevention. **B5.5, B5.10**
4. Demonstrate knowledge of gender differences with regard to a patient’s health **B3.1-E**
5. Demonstrate knowledge of the common occupational/environmental diseases, including:
 - Components of an occupational history and physical exam **B5.1-A**
 - Common occupational and environmental exposures that result in disease **B5.7**
 - Clinical manifestations and appropriate work-up of common occupational diseases involving the lung, skin, kidney/bladder, gastrointestinal tract, and liver. **B3.2**

Clinical manifestations and appropriate work-up of occupational repetitive injuries

Elements of an educational program to prevent occupational injuries and disease **B3.2, B5.6**

- a. Given a series of history and physical examination cases of patients with occupational injuries, the student will recommend treatment plans, as evaluated by the instructor. (Cognitive – synthesis)
 - b. When presented with a standardized patient with a chief complaint of chronic wrist pain, the student will obtain a medical history exploring work-related factors contributing to a diagnosis of carpal tunnel syndrome, as evaluated by criteria established by the instructor. (Psychomotor – adaptation)
6. Demonstrate knowledge of signs, symptoms and treatment (both pharmacological and non-pharmacological) of osteoporosis. **B3.3-A**
 7. Demonstrate knowledge of counseling a patient with regard to osteoporosis prevention. **B3.2, B5.6**
 8. Demonstrate knowledge of how to take a medical history from a patient who is gay, bisexual, or transgender. **B4.02-C, B5.1-A**
 9. Demonstrate knowledge of how to counsel patients in weight reduction. **B3.2, B5.6**
 10. Demonstrate knowledge of oral health promotion and prevention. **B3.2, B5.6**
 11. Demonstrate knowledge of how to counsel patients for a healthy diet. **B3.2, B5.6**
 12. Demonstrate knowledge of how to counsel patients in physical activity. **B3.2, B5.6**
 13. Demonstrate knowledge of the role of the PA in Bio-terrorism. **B5.7**
 - a. On a written examination, the student will be able to list five signs or symptoms of anthrax infection. (Cognitive – knowledge)
 - b. When presented with a simulated patient (at one of the competency check points) needing a smallpox vaccine, the student will accurately screen the patient for risk factors and instruct the patient on the necessary precautions, care and follow-up of the vaccination site according to the standards established by the CDC, as evaluated by the standardized patient or instructor. (Psychomotor – mechanism)
 14. Demonstrate knowledge of different types of Bio-terrorism agents. **B5.7**

15. Demonstrate knowledge of club drugs and how to identify and treat patients. **B4.02-B**
16. Demonstrate knowledge of child abuse. **B4.02-C**
17. Recognize the signs of child abuse. **B4.02-C**
18. Demonstrate knowledge of importance of good nutrition in childhood and adult years. **B3.2, B5.6**
19. Demonstrate knowledge of weight management in obese patients. **B3.2, B5.6, B5.7**

Competencies:

1. The student will develop a case study on child abuse/neglect by writing a 2 page essay. The essay will include a scenario with abuse and/or neglect of a child, how a PA can recognize the signs and symptoms of child abuse, how to exam and document abuse/neglect, and how to prevent it happening again. **1-B,C,D; 2-D,E; 3-D,E; 4-A-H, 5-A-E (due date: July 30th)**
2. The student will demonstrate interpersonal and communication skills by writing a 2 page essay on how to develop a climate of acceptance for LGBT patients in an office setting. The essay will include how to ask the appropriate medical history questions, how to make the patient at ease with giving their medical history and to give support from the view of a health care provider. **3-A, B,C; 4-B,C,F,H; 5-C,D; F6-F (due date: June 28th)**
3. The student will develop a case study on an oral health issue that was covered in class by writing a 2 page essay. The essay will include a scenario on signs and symptoms of the oral disease, how a PA can recognize the signs and symptoms, and how to exam and document clinical findings and prevent the disease process from happening. **1-A-D;2-D; 3-D; 4-A-J (due date: June 18th)**
4. The student will demonstrate their knowledge of counseling African American Females on their increased risk for HIV/Aids by write a 2 page essay. The essay will include how to approach the subject of the patient's HIV/Aids status, what type of preventive counseling should be given, and what type of support is out there for them. **1-A-D; 2-D; 3-A-E;4-A-J; 5-F (due date: June 21st)**
5. The student will develop a case study on poor life style issues (e.g.: over weight, lack of exercise, use of tobacco, poor diet). In the essay the student will focus on the risk for chronic disease such as cardiovascular disease. The essay will include how to counsel a patient to make life style changes to improve the patient's life and reduce the risk of developing chronic disease later on. **1-A-D;2-D; 3-AE; 4-J (due date: July 25th)**

