

Request for Graduate Course Addition

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: COHP

Dept/Division: Public Health

Alpha Designator/Number: PH 661

Graded CR/NC

Contact Person: William F. Pewen

Phone: 696-3743

NEW COURSE DATA:

New Course Title: Chronic Disease

Alpha Designator/Number:

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Title Abbreviation:

| | | | | | | | | | | | | | | | | | | | | | | |
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| C | h | r | o | n | i | c | | D | i | s | e | a | s | e | | | | | | | | |
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(Limit of 25 characters and spaces)

Course Catalog Description:
(Limit of 30 words)

Examination of major chronic diseases including mechanisms of development, risk, diagnosis and interventional strategies. Scope of the course includes cardiovascular, respiratory and neurodegenerative disorders, as well as diabetes and cancer.

Co-requisite(s): None

First Term to be Offered: Fall 2015

Prerequisite(s): PH 611

Credit Hours: 3

Course(s) being deleted in place of this addition (must submit course deletion form):

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

| | |
|---|---------------------|
| Dept. Chair/Division Head <u>William F. Pewen</u> | Date <u>3/4/15</u> |
| Registrar <u>Roberta Ferguson</u> 005122 | Date <u>3/4/15</u> |
| College Curriculum Chair <u>Carmona Gray</u> | Date <u>3/13/15</u> |
| Graduate Council Chair _____ | Date _____ |

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College: COHP

Department/Division: Public Health

Alpha Designator/Number: PH 661

Provide complete information regarding the new course addition for each topic listed below. Before routing this form, a complete syllabus also must be attached addressing the items listed on the first page of this form.

1. FACULTY: Identify by name the faculty in your department/division who may teach this course.

Robert Touchon, M.D., M.P.H., future faculty, and such as the dean and program director shall designate

2. DUPLICATION: If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the proposal. Enter "**Not Applicable**" if not applicable.

Not applicable

3. REQUIRED COURSE: If this course will be required by another department(s), identify it/them by name. Enter "**Not Applicable**" if not applicable.

Not applicable

4. AGREEMENTS: If there are any agreements required to provide clinical experiences, attach the details and the signed agreement. Enter "**Not Applicable**" if not applicable.

Not applicable

5. ADDITIONAL RESOURCE REQUIREMENTS: If your department requires additional faculty, equipment, or specialized materials to teach this course, attach an estimate of the time and money required to secure these items. (Note: Approval of this form does not imply approval for additional resources.) Enter "**Not Applicable**" if not applicable.

College of Health Professions is responsible for hiring faculty. No other resources required at this time.

6. COURSE OBJECTIVES: (May be submitted as a separate document)

See Syllabus

7. COURSE OUTLINE (May be submitted as a separate document)

See Syllabus

8. SAMPLE TEXT(S) WITH AUTHOR(S) AND PUBLICATION DATES (May be submitted as a separate document)

Harris, RE. Epidemiology of Chronic Disease (2013) Jones & Bartlett Learning. ISBN 9781449653286

Remington, PL., Brownson, RC., and Wegner, MV. Chronic Disease Epidemiology and Control (2009) American Public Health Association. ISBN 978-0-87553-192-2.

9. EXAMPLE OF INSTRUCTIONAL METHODS (Lecture, lab, internship)

Lecture; class discussion; Q&A with visiting public health professionals; course readings; and group projects.

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10. EXAMPLE EVALUATION METHODS (CHAPTER, MIDTERM, FINAL, PROJECTS, ETC.)

In class quiz
Group term project
Final examination

11. ADDITIONAL GRADUATE REQUIREMENTS IF LISTED AS AN UNDERGRADUATE/GRADUATE COURSE

Not applicable

12. PROVIDE COMPLETE BIBLIOGRAPHY (May be submitted as a separate document)

Allen, P., Sequeira, S., Jacob, R. R., Hino, A. A., Stamata, K. A., Harris, J. K., Brownson, R. C. (2013). Promoting state health department evidence-based cancer and chronic disease prevention: a multi-phase dissemination study with a cluster randomized trial component. *Implementation Science*, 8(1), 1-28. doi: 10.1186/1748-5908-8-141

Ashoo, G., & Ashish, J. (2015). An Overview of Chronic Disease Models: A Systematic Literature Review. *Global Journal of Health Science*, 7 (2), 210.

Barker, D. J. P. (2012). Developmental origins of chronic disease. *Public Health*, 126(3), 185-189. doi: 10.1016/j.puhe.2011.11.014

Barker, D. J. P. (2012). Sir Richard Doll Lecture. Developmental origins of chronic disease. *Public Health*, 126(3), 185.

Drozek, D., Diehl, H., Nakazawa, M., Kostohryz, T., Morton, D., & Shubrook, J. H. (2014). Short-Term Effectiveness of a Lifestyle Intervention Program for Reducing Selected Chronic Disease Risk Factors in Individuals Living in Rural Appalachia: A Pilot Cohort Study. *Advances in Preventive Medicine*, 2014, 1-7. doi: 10.1155/2014/798184

Factor-Litvak, P. A. M., Al-Chalabi, A., Ascherio, A., Bradley, W., Chio, A., Garruto, R., Eisen, A. (2013). Current pathways for epidemiological research in amyotrophic lateral sclerosis. *Amyotrophic Lateral Sclerosis & Frontotemporal Degeneration*, 33-43. doi: 10.3109/21678421.2013.778565

Fleischer, N. L., Diez Roux, A. V., & Hubbard, A. E. (2012). Inequalities in Body Mass Index and Smoking Behavior in 70 Countries: Evidence for a Social Transition in Chronic Disease Risk. *American Journal of Epidemiology*, 175(3), 167-176. doi: 10.1093/aje/kwr314

Ford, E. S., & Caspersen, C. J. (2012). Sedentary behaviour and cardiovascular disease: a review of prospective studies. *International Journal of Epidemiology*, 41(5), 1338.

Gilbert, L. K., Breiding, M. J., Merrick, M. T., Thompson, W. W., Ford, D. C., Dhingra, S. S., & Parks, S. E. (2015). Childhood Adversity and Adult Chronic Disease. *American Journal of Preventive Medicine*, 48(3), 345-349. doi: 10.1016/j.amepre.2014.09.006

Grundy, S. M. (2012). Pre-Diabetes, Metabolic Syndrome, and Cardiovascular Risk. *Journal of the American College of Cardiology*, 59(7), 635-643. doi: 10.1016/j.jacc.2011.08.080

Guenther, S., Shadbolt, N., Roberts, C., & Clark, T. (2014). Evaluating peer teaching about chronic disease. *Clinical Teacher*, 11(7), 541-545. doi: 10.1111/tct.12211

Johnson-Lawrence, V., Kaplan, G., & Galea, S. (2013). Socioeconomic mobility in adulthood and cardiovascular disease mortality. *Annals of Epidemiology*, 23(4), 167-171. doi: 10.1016/j.annepidem.2013.02.004

Willis, C. D., Riley, B. L., Herbert, C. P., & Best, A. (2013). Networks to strengthen health systems for chronic disease prevention. *American Journal of Public Health*, 103(11), e39.

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Please insert in the text box below your course summary information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Course Number and Title:

Catalog Description:

Prerequisites:

First Term Offered:

Credit Hours:

Department: Public Health

Course Number and Title: PH 661 - Chronic Disease

Catalog Description: Examination of major chronic diseases including mechanisms of development, risk, diagnosis and interventional strategies. Scope of the course includes cardiovascular, respiratory and neurodegenerative disorders, as well as diabetes and cancer.

Prerequisites: PH 611

First Term Offered: Fall 2015

Credit Hours: 3

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|--------------------------------|--|
| COURSE TITLE/NUMBER | Chronic Disease PH 661 |
| SEMESTER/YEAR | Fall 2015 |
| DAYS/TIME | Monday, 1:30 – 4:30 pm |
| CREDIT HOURS | 3 |
| LOCATION | PH 301 |
| INSTRUCTOR | Dr. Robert Touchon |
| OFFICE/PHONE | 317 Prichard Hall / 696-2642 |
| E-MAIL | touchon@marshall.edu |
| OFFICE HOURS | By Arrangement |
| CFE/UNIVERSITY POLICIES | By enrolling in this course, you agree to the <i>Marshall University Policies</i> , and thus it is essential that you understand them. Please review these at the Academic Affairs website: http://muwww-new.marshall.edu/academic-affairs/policies/ |

COURSE DESCRIPTION: FROM CATALOG

Examination of major chronic diseases including mechanisms of development, risk, diagnosis and interventional strategies. Scope of the course includes cardiovascular, respiratory and neurodegenerative disorders, as well as diabetes and cancer.

PREREQUISITES:

Successful completion of PH 611 (Epidemiology) or its equivalent.

STUDENT LEARNING OUTCOMES IDENTIFIED IN THIS COURSE:

Upon completion of the course, students will:

1. Describe the impact of chronic disease on public health, including current trends in the U.S., as well as changes seen in prevalence with economic development.
2. Demonstrate basic knowledge of major chronic diseases in terms of etiology, risk modification, treatment, and outcomes.
3. Contribute to a group project to analyze a specific chronic disease issue, and propose strategies by which we may reduce incidence, morbidity or mortality.

| COURSE STUDENT LEARNING OUTCOMES | HOW PRACTICED IN THIS COURSE | HOW ASSESSED IN THIS COURSE |
|---|-------------------------------------|------------------------------------|
| Goal 1. Describe the impact of chronic disease on public health, including current trends in the U.S., as well as changes seen in prevalence with economic development. | Readings, lecture, discussion. | Quizzes. Final Examination. |

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| <p><u>Goal 2.</u> Demonstrate basic knowledge of major chronic diseases in terms of etiology, risk modification, treatment, and outcomes.</p> | <p>Readings, lecture, discussion. Guest speakers, assigned video material and research references.</p> | <p>Quizzes. Final Examination.</p> |
| <p><u>Goal 3.</u> Contribute to a group project to analyze a specific chronic disease issue, and propose strategies by which we may reduce incidence, morbidity or mortality.</p> | <p>Readings, lecture, discussion. Group project.</p> | <p>Group Project. Final Examination.</p> |

REQUIRED TEXTS, ADDITIONAL READING, AND OTHER MATERIALS

Harris, RE. Epidemiology of Chronic Disease (2013) Jones & Bartlett Learning. ISBN 9781449653286

RECOMMENDED MATERIALS

Personal computer and smartphone (iPhone or Android) are required.

Additional recommended readings:

- Preventing Chronic Disease : 2010 Essays
http://www.cdc.gov/pcd/collections/pdf/PCD_MATCH_2010_web.pdf
- CDC Resources (multiple). See home page for chronic disease info. Students should subscribe to MMWR (cdc.gov/mmwr)

COURSE REQUIREMENTS / DUE DATES

1. Quiz (Weeks 4, 6, 10, 12, 15)
2. Group Project Presentations (Week 13)
3. Final Exam (Week 16)

GRADING POLICY

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|---|-----|
| Quizzes (5 given, lowest score dropped) | 20% |
| Group Projects | 30% |
| Final Exam | 50% |

Grades will be determined by the following scale:

| | |
|--------|---|
| 90-100 | A |
| 80-89 | B |
| 70-79 | C |
| 60-69 | D |
| <60 | F |

ATTENDANCE POLICY

This class meets weekly. While attendance is not required, lectures may not be replicated on Blackboard, and frequent in-class assessments are graded, thus students are encouraged to maintain regular attendance.

ADDITIONAL POLICIES

- 1. Accountable material and preparation.** Class sessions are conducted based on the expectation that students complete all appropriate readings and/or assignments as scheduled. This facilitates better questions, discussion, and learning. Exam and quiz questions may be based on both out-of-class assignments and material presented in class.
- 2. Electronic devices.** Electronic devices (smartphones, PDAs, laptops, etc.) can be a valuable asset in the classroom. However, if used inappropriately, these can be a distraction. Students should utilize these devices in class only for educational purposes, and are requested to be unobtrusive in their use (including silencing cell phone ringers). Please note that social media, “tweeting”, and real time chat are not appropriate in the classroom unless part of a classroom exercise.
- 3. Intellectual property notice:** Many materials used in this class are copyrighted, while others represent content and product of the instructor and/or Marshall University. While students may share notes and engage in discussions regarding their work in the course, recording or distribution of course content is not permitted. Students should enquire of the instructor for clarification regarding exceptions.
- 4. Academic integrity:** Students should refer to the Student Handbook to ensure understanding of policies concerning academic honesty and integrity, including plagiarism and cheating. Unless specified by the instructor, no electronic devices, notes, or other non-approved assistance is permitted during any exam.
- 5. Disability accommodation.** The instructor will endeavor to accommodate students with a disability. It is requested that the student notify the instructor at the earliest possible time regard anticipated assistance which may be required.
- 6. Vigilance.** Students are expected to access their MU e-mail address and MU On-line

regularly for information related to the course.

7. **Missed classes:** If you are absent, it is the student's responsibility to find out from a classmate what notes, handouts, assignments, or other course material you missed and to make arrangements to receive those.
8. **Make-up assignments and exams:** Students who miss scheduled exams or assignments may make them up in the event of a University-excused absence or medical emergency. In any other situation, a student may request a make-up, but if the request is granted, such may be a different exam or assignment.
9. **Office hours:** As posted and by appointment.
10. **Inclement Weather:** If inclement weather results in class cancellation, students are directed to carefully review posted material posted for that session, as we will endeavor to maintain the planned course schedule, including exams which may include that content.

Projected Course Schedule

| Week | Date | Topic |
|------|--------|------------------------------|
| 1 | Aug 24 | Burden of Chronic Disease |
| 2 | Aug 31 | Cardiovascular Disease |
| 3 | Sep 7 | HOLIDAY – Labor Day |
| 4 | Sep 14 | Diabetes |
| 5 | Sep 21 | Other Metabolic Diseases |
| 6 | Sep 28 | Cancer |
| 7 | Oct 5 | COPD and Asthma |
| 8 | Oct 12 | Screening Programs |
| 9 | Oct 19 | Risk Reduction |
| 10 | Oct 26 | Musculoskeletal Diseases |
| 11 | Nov 2 | Neurodegenerative Diseases |
| 12 | Nov 9 | Chronic Disease Management |
| 13 | Nov 16 | Project Presentations |
| 14 | Nov 23 | HOLIDAY - Thanksgiving Break |
| 15 | Nov 30 | Open Topic / Review |
| 16 | Dec 7 | Final Exam |