

New Course Request

Indiana University

IUPUI & IUB Campus

Check Appropriate Boxes: Undergraduate credit Graduate credit Professional credit

1. School/Division Public and Environmental Affairs 2. Academic Subject Code SPEA
3. Course Number J 528 (must be cleared with University Enrollment Services) 4. Instructor Kenna Quinet
5. Course Title Risk Analysis for Public Safety

Recommended Abbreviation (Optional) _____
(Limited to 32 Characters including spaces)

6. First time this course is to be offered (Semester/Year): Spring 2010

7. Credit Hours: Fixed at 3 or Variable from _____ to _____

8. Is this course to be graded S-F (only)? Yes _____ No X

9. Is variable title approval being requested? Yes _____ No X

10. Course description (not to exceed 50 words) for Bulletin publication: An examination of theoretical foundations of risk analysis including the history of risk analysis, risk assessment, perception and communication; models for decision making, techniques for generating alternative courses of action and definitions of risk and opportunity within a context of local, state and federal regulatory guidelines, media and social context.

11. Lecture Contact Hours: Fixed at 3 or Variable from _____ to _____

12. Non-Lecture Contact Hours: Fixed at _____ or Variable from _____ to _____

13. Estimated enrollment: 7 - 30 of which 100% percent are expected to be graduate students.

14. Frequency of scheduling: every other year Will this course be required for majors? yes

15. Justification for new course: New public safety graduate level degree and need for theoretical framework course.

16. Are the necessary reading materials currently available in the appropriate library? yes

17. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other materials.

18. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is necessary, desirable, or unimportant. No

19. A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus consulted.

Submitted by: [Signature] Date 2/27/09
Department Chairman/Division Director

Approved by: [Signature] Date 2/25/09
Dean

Date _____
Dean of Graduate School (when required)

Date _____
Chancellor/Vice-President

Date _____
University Enrollment Services

After School/Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.

Description: An examination of theoretical foundations of risk analysis including the history of risk analysis, risk assessment, perception and communication; models for decision risk decision making, techniques for generating alternative courses of action in risk analysis and definitions of risk and opportunity theory will be examined. Within a context of local, state and federal regulatory guidelines, risk analysis and risk management will be investigated against a background on public safety and homeland security issues.

Course Information: This new public safety graduate level degree fills the need for a theoretical framework course, in particular, on risk analysis, risk assessment and risk management. It consists of graduate sessions over 15 academic weeks, **requiring a midterm, final exam, two class presentations and précis, and a research paper.**

Each week, beginning with week 2, 1-2 students will be responsible for leading class discussion on that week's readings and summarizing the readings in a précis. Students will be graded on the depth of preparation and presentation style as well as content of the précis. Students will be required to lead two class discussions. Specific details regarding the expectations for presentations and précis will be distributed the first week of class.

Course grade:

Presentation and précis worth 100 points each, total 200 points

Midterm and final exams, 100 points each total 200 points

Final paper, 200 points

600 points total for final grade and final grades will be calculated as follows: .93-1.00=A, .85-.92=B, .77-.84=C, .70-.76=D, <.70=F.

Readings: One text, Terje Aven, Risk Analysis: Assessing Uncertainties (New York: Wiley, 2008) will be used plus David Vose, Risk Analysis: A Quantitative Guide (New York: Wiley, 2008), and six case studies, plus four articles from the *Journal of Risk Research* and *SRA Risk Analysis*. Bibliographies are attached.

Course Sequence: Weeks:

1. Risk— Introduction, Definition and Discussion of Terms
Kinds of Risks---Natural and Man-Made and Risk Analysis Theory
2. History of Risk Analysis and Assessment
Perception and Communication of Risk
3. Models of Risk Analysis and Assessment
Strategies of Risk Assessment and Analysis
4. Strategies for Global Risk Assessment
Risk Surveys and Design
5. Quantitative Risk Assessment and Analysis
Analytical Tools of Risk Analysis and Assessment
6. Threats, Vulnerabilities, Consequences
Federal, State and Local Differences in Model Risk Assessment and theory
7. Midterm
8. Risk Behavior and Assessment During Emergencies and Disasters
Asset Based Risk Assessment versus geographic Based Risk Assessment
9. Decision Making Matrix in Risk Assessment
Risk Decision Making: Case Studies
10. Individual Risk and Assessments
Organizational Risk Assessment
11. Chaos Theory and "Analytical " Luck
Mitigation of Risk at Community and State levels
12. Mitigation of Risks at the Federal Level
Communicating Risk and Risk Legacy Theory
13. Life Cycle of Risk Analysis and Assessment
Risk Assessment of High Consequence Events
14. Risk Assessment Consequences: People, Property and Infrastructure
Improving Risk Assessment in Crisis
15. Final Exam and Research Papers Due

SPEA 2009 Policies Syllabus Addendum

Academic Misconduct

Students are responsible for upholding and maintaining academic and professional honesty and integrity (*IUPUI Code of Student Rights, Responsibilities, and Conduct*, available at <http://www.iupui.edu/code/>, Part II Student Responsibilities, G). All faculty have the responsibility of fostering the “intellectual honesty as well as the intellectual development of students” and part of this responsibility means that faculty must investigate cases of potential academic misconduct promptly and thoroughly. Faculty members also have the responsibility of taking appropriate action when academic misconduct occurs. The penalties for academic misconduct include but are not limited to lowering a grade on an assignment, lowering a course grade, or failing a student for a course. Significant violations of the *Code* can result in expulsion from the University.

SPEA faculty take their responsibilities seriously and do not tolerate cheating, plagiarism, or any other form of academic misconduct. If you have not done so, you should read about your responsibilities in the *IUPUI Code of Student Rights, Responsibilities, and Conduct* to ensure that you understand what these terms mean and what penalties can be issued for academic misconduct.

Plagiarism is the most common academic misconduct violation, and some students, who have been disciplined for plagiarism, have said they were not aware that they had plagiarized their work. Be aware that ‘not knowing’ does not excuse academic misconduct – every student is responsible for knowing the rules. The IU School of Education’s ‘How to Recognize Plagiarism’ is an on-line tutorial that can help you avoid plagiarism. It can be accessed at <http://www.indiana.edu/~istd/>. If you have any questions about what constitutes academic misconduct for a course you are taking, be sure to ask the instructor for an explanation.

The *IUPUI Code of Student Rights, Responsibilities, and Conduct* defines four areas of academic misconduct: cheating, fabrication, plagiarism, and interference. The prohibited activities and actions include the following:

1. **Cheating.** A student must not use or attempt to use unauthorized assistance, materials, information, or study aids in any academic exercise, including, but not limited to, the following:

- a. A student must not use external assistance on any "in-class" or "take-home" examination, unless the instructor specifically has authorized external assistance. This prohibition includes, but is not limited to, the use of tutors, books, notes, and calculators.
- b. A student must not use another person as a substitute in the taking of an examination or quiz.
- c. A student must not steal examinations or other course materials.
- d. A student must not allow others to conduct research or to prepare work for him or her without advance authorization from the instructor to whom the work is being submitted. Under this prohibition, a student must not make any unauthorized use of materials obtained from commercial term paper companies or from files of papers prepared by other persons.
- e. A student must not collaborate with other persons on a particular project and submit a copy of a written report which is represented explicitly or implicitly as the student's individual work.
- f. A student must not use any unauthorized assistance in a laboratory, at a computer terminal, or on field work.
- g. A student must not submit substantial portions of the same academic work for credit or honors more than once without permission of the instructor to whom the work is being submitted.
- h. A student must not alter a grade or score in any way.

2. **Fabrication.** A student must not falsify or invent any information or data in an academic exercise including, but not limited to, records or reports, laboratory results, and citations to the sources of information.

3. **Plagiarism.** A student must not adopt or reproduce ideas, words, or statements of another person without appropriate acknowledgment. A student must give credit to the originality of others and acknowledge an indebtedness whenever he or she does any of the following:

- a. Quotes another person's actual words, either oral or written;
- b. Paraphrases another person's words, either oral or written;
- c. Uses another person's idea, opinion, or theory; or
- d. Borrows facts, statistics, or other illustrative material, unless the information is common knowledge.

4. **Interference.**

- a. A student must not steal, change, destroy, or impede another student's work. Impeding another student's work includes, but is not limited to, the theft, defacement, or mutilation of resources so as to deprive others of the information they contain.
- b. A student must not give or offer a bribe, promise favors, or make threats with the intention of affecting a grade or the evaluation of academic performance.

Whistleblower Policy

President Herbert has recently approved a whistleblower policy which clarifies the protections available to individuals who in good faith report suspected wrongdoing. The policy:

- requires individuals to disclose violations of law or university policy
- informs individuals how allegations of wrongful conduct may be disclosed
- protects individuals from reprisal as a result of disclosing wrongful conduct
- provides individuals a complaint process to seek relief from retaliatory acts

The full policy can be reviewed at: http://www.hra.iupui.edu/Policy_Manual/policy/5_10.html.

Classroom Etiquette and Disorderly Conduct

SPEA, which is a professional school, expects students to conduct themselves in a courteous and civil manner in interactions with professors and fellow students. Examples of discourteous behavior during class include reading the newspaper, working crossword puzzles, listening to headphones, talking or laughing with other, arriving late, using computers to surf the web, allowing cell phones to ring or sending text messages, or other non-class activities. These behaviors are distracting to the instructor

and to classmates, and SPEA faculty will address these problems as they arise either in class or on an individual basis.

Disorderly conduct that interferes with teaching, research, administration, or other university or university-authorized activity will not be tolerated and will be reported immediately to the Office of the Dean of Students for disposition, which may result in disciplinary action, including possible suspension and/or expulsion from the university. Students should read the *IUPUI Code of Student Rights, Responsibilities, and Conduct*, which can be accessed at <http://www.iupui.edu/~sidweb/dos/> in order to understand your responsibilities as a student.

Communication between Faculty and Students

In order to verify the identity of all parties involved, effective September 1, 2004, all email communication from current SPEA students to SPEA staff must originate from an Indiana University email account. For email communication with SPEA faculty, current SPEA students should refer to course syllabi for instructors' preferences (Oncourse, Webmail, etc.). This policy applies to current students only. Instructions for forwarding your IUPUI email to another account can be found at <http://uits.iu.edu/scripts/ose.cgi?berh.def.help>

Course Withdrawals

Students who stop attending class without properly withdrawing from the class will receive a grade of F. It is important to withdraw from a course within specified timeframes (see chart below). Note that withdrawals after Week 12 of a regular session or Week 4 of a summer session are rarely granted. **Poor performance in a course is not grounds for a late withdrawal.**

Withdrawal forms will not be processed in the Office of the Registrar after the last day of classes. Any requests for a late withdrawal after the last day of classes must go through the grade appeal process, but each student should remember that in accordance with campus policy, SPEA does not permit a student to withdraw from a course if he/she has completed the course requirements. Grade replacement should be used in this case. See the Office of the Registrar's website at <http://registrar.iupui.edu/withdraw.html> for more information. To withdraw, obtain a withdrawal slip (DROP/ADD Form) from the SPEA Student Services window. Instructions for completing it are given on the form.

Withdrawal Deadlines	
Course deleted from record, no grade assigned, 100% refund (Advisor signature IS NOT required)	Week 1 (last day)
Withdrawal with automatic grade of W (Advisor signature IS required)	Week 2– Week 7 (regular session) Week 2 – Week 3 (summer session)
Withdrawal with grade of W or F (Advisor and instructor signatures ARE required)	Week 8 – Week 12 (regular session) Week 3 – Week 4 (summer session)

Incompletes

A grade of incomplete (I) indicates that a 'substantial portion' of the work in a course has been satisfactorily but not entirely completed by the student as of the end of the semester. The incomplete can be given to a student facing a hardship such that it would be unjust to hold the student to the established time limits for completing the work. To be eligible for the incomplete in a SPEA course, the student's work must be of passing quality, and the student must have completed 75% of the course requirements. **Poor performance in a course is not grounds for an incomplete.** SPEA follows the campus guidelines, which may be accessed at the Office of the Registrar's website at <http://registrar.iupui.edu/incomp.html>, in awarding incompletes. Incompletes must be removed within a time period not to exceed one year after the semester in which the student was enrolled in the course. The incomplete will revert to an 'F' if the work is not completed within the allotted timeframe established by the instructor.

Grade Changes

Under certain circumstances, students can seek grade changes for previously taken courses if they believe that a grade has been calculated or assigned incorrectly. A student who is seeking a grade change must first contact the instructor and ask for the grade change. In the event the instructor does not change the grade, the student can file a Change of Grade Petition with the Registrar's Office. **In SPEA, a student has 90 days after the conclusion of a course to appeal a grade.** In cases of extenuating circumstances, SPEA may consider petitions filed after this date. SPEA will review the request and make a final decision on a case-by-case basis. The Change of Grade petition form is located at the Office of the Registrar's website at <http://registrar.iupui.edu/grdfm.html>.

Final Exam Schedule

If a final exam is given, it must be held on the day and time set in the final exam schedule. If an instructor has changed the final exam date, the student should first consult with the instructor. Students who have more than three final exams in one day or insufficient time to get from one exam to another should consult with their instructors to resolve these conflicts. Exams may not be given in the week before the final exam week. If a student is not able to resolve a final exam problem with the instructor, the student may report the problem to the Director of Undergraduate or Graduate programs. See the Office of the Registrar's website at <http://registrar.iupui.edu/accal.html> for the final exam week schedule.

Students Called to Active Duty

SPEA encourages any student who is in the Indiana Military Reserves and is called to active duty to finish his/her coursework if at all possible. Students who cannot complete their courses have the option of withdrawing with 100% fee refund, but this request must be made within one week of being called to active duty. Students who are called to active duty may qualify for an incomplete (provided that all the above criteria have been met). For further information, please see the Office of the Registrar's website at <http://registrar.iupui.edu/activeduty.html>.

Adaptive Education

No qualified individual with a disability shall, by reason of such disability, be excluded from participation in or denied the benefits of university services, programs, or activities. Reasonable accommodations shall be afforded to the known physical or mental limitations of otherwise qualified individuals. *IU Policy on Equal Opportunity, IUPUI All-Campus Bulletin, 2006-08, p. 20.*