This Resolution is a Proposed Addition of a Graduate Certificate in Emergency Preparedness and Homeland Security from the College of Public Affairs and Administration.
Proposed Graduate Certificate in Emergency Preparedness and Homeland Security
College of Public Affairs & Administration

Purpose of certificate: Objectives and Learning Outcomes

The new millennium sees a renewed federal, state, and local focus on building capacity to anticipate, prepare, and respond to emergencies of all types including those related to natural disasters and homeland security. With a heritage of public affairs education and strong graduate programs addressing the principles of preparedness and security, UIS is uniquely positioned to provide graduate-level professional education for emergency preparedness and homeland security administrators. Courses are taught by both full-time UIS faculty and by select adjunct faculty with substantial practitioner experience in relevant fields.

The Graduate Certificate in Emergency Preparedness and Homeland Security (EPHS Certificate) is a 20-hour interdisciplinary certificate program administered by the Department of Environmental Studies containing courses offered by a variety of departments within the College of Public Affairs & Administration. Courses for the certificate are offered by Criminal Justice, Environmental Studies, Legal Studies, Political Studies, Public Administration, Public Health and other departments. For the first year (AY 2006/2007), most courses for the certificate will be on campus. However, some will be offered online. In subsequent years, if there is sufficient student demand, both an on-campus and an online version of the certificate will be offered.

As a result of completion of the core courses for the EPHS Certificate, students will be able to:

- Demonstrate an understanding of the factors influencing stakeholders’ perception of the risks associated with natural and man-made threats,
- Identify the appropriate risk assessment methodology to evaluate the risks associated with natural and man-made threats,
- Explain the role risk management decisions and options play in public policy formation and implementation decisions,
- Implement the methods and techniques of program evaluation in public agencies with the responsibility for emergency preparedness and homeland security, and
- Explain the role program evaluation plays in policymaking and policy implementation in the area of emergency preparedness and homeland security.

As a result of completing the two elective courses of the EPHS Certificate, students will be able to extend these skills to one or two disciplinary areas of competence. The electives have been chosen to include courses on salient issues of public policy influenced by recent challenges to emergency preparedness and homeland security.

Target Audience

The target audience for the EPHS Certificate is the community of administrators of local, state and federal government agencies and private entities with responsibilities for...
emergency preparedness and homeland security. The EPHS Certificate will provide interdisciplinary professional educational to the administrators of governmental agencies and others who need to enhance their skills and abilities in the area. Among this audience will be individuals in law enforcement administration, fire departments, public health agencies and health care providers as well as people in private industry. This program differs from others initiated under the recent in that it provides post-bachelors education for administrators rather than training for first responders or professional education for individuals just entering the workforce.
Occupational & Student Demand

In the spring of 2005, the Illinois Board of Higher Education, in cooperation with the Illinois Community College Board and the State of Illinois Homeland Security Market Development Bureau asked public universities in Illinois to develop certificate programs in the area of emergency preparedness and homeland security. These entities asked each public university to develop certificates appropriate to their academic strengths and overall missions. These certificates are to be part of a broader effort to provide professional education to meet the needs of current and prospective employees in emergency preparedness and homeland security. UIS’ location in Springfield makes it accessible to employees in local, state and federal agencies. Its proximity to Decatur and Peoria make it accessible to employees of large agribusiness employers with employees in need of advanced professional education in emergency preparedness and homeland security. In fact, Caterpillar, Inc. has offered UIS $5,000 in scholarships for students who enroll in the EPHS Certificate program. Since the possibility of a UIS EPHS Certificate was announced in the media, the Dean’s Office in the College of Public Affairs & Administration has received 13 calls from students interested in applying for admission to the certificate program in the fall should it be approved through governance.

Relation to Degree Programs

The three core courses for the EPHS Certificate are existing courses regularly offered in Environmental Studies and Public Administration. Both departments offer masters degrees for which these EPHS core courses are either concentration core or electives. In addition, ENS 521 is a required course for the Graduate Certificate in Environmental Risk Assessment; ENS 526 is an elective course for the Risk Certificate. The enrollments for ENS 521 and 526 have been low enough in recent years that the creation of the EPHS Certificate should not require additional of sections of the course. The enrollments in PAD 533 have been high enough in recent semesters that a second section may need to be offered in the spring to accommodate EPHS Certificate students. The EPHS elective courses are all electives for degree-seeking students in their respective departments. Enrollments in these courses are usually not too high to accommodate the additional of EPHS Certificate students.

Staffing & Resource Requirements

For the most part, implementation of the EPHS Certificate utilizes existing courses in departments within the College of Public Affairs & Administration. With the exception of PAD 533, previous enrollment patterns show that seats are available in those existing courses. An additional section of PAD 533 may need to be offered in spring semesters. The budget of the College of Public Affairs & Administration can cover the cost of an adjunct needed to either offer the course or free the time of a full-time member of the Public Administration Department to offer the course. A number of departments within the College of Public Affairs & Administration have expressed interest in creating additional electives that may be of interest to EPHS Certificate students. In most instances, these new electives will be taught by adjunct faculty members with professional experience in the area of emergency preparedness and homeland security.
The budget of the College of Public Affairs & Administration can cover the cost of adjuncts wishing to teach these courses. These adjuncts are all currently teaching elective courses for UIS departments within the College of Public Affairs & Administration. These courses would also serve as electives for program majors and may, in the future, be of interest to other certificate programs.

Administrative Issues

- The responsible administrative unit is the Department of Environmental Studies. Two of the three core courses are ENS courses and the close fit between the overall disciplinary competence of the department and the subject area of the certificate.

- The faculty of the Department of Environmental Studies will make the admission decisions for the certificate program:
  - To be eligible for admission to the EPHS Certificate program, students must:
    - hold a baccalaureate degree from an accredited institution,
    - meet campus requirements for admission to graduate study,
    - have a GPA in their bachelor’s degree of 3.0 or better,
    - or have a GPA in their bachelor’s degree of 2.75 or better with documentation of substantial professional experience in the field of emergency preparedness or homeland security.
  - Candidates for the EPHS certificate will be expected to complete each certificate course with a grade of B or better.
  - Admissions will require application for admission to the university followed by review of the application by the faculty of the Environmental Studies Department.
  - Advising will be provided by the faculty of the Environmental Studies Department in consultation with the faculty of other College of Public Affairs & Administration departments who are offering courses for the EPHS certificate.
  - Tracking: Once students are admitted to the EPHS Certificate program, their progress will be tracked by the ENS Department to assure satisfactory progress toward completion. Data also will be collected to identify the pattern of choices students make among the available electives to ensure that sufficient offerings are available in areas of interest. The College of Public Affairs & Administration tracks interest in, headcount, and progress toward completion for all certificate programs.

Proposed Curriculum

Core Course Requirements: The three required core courses for the certificate provide students with the opportunity to gain substantial graduate-level expertise in risk assessment, risk communication and program evaluation. The core philosophy of the certificate program is that a strong background in risk assessment, management and communication will provide a basis for the development of other skills essential for administrators and other professionals in
emergency preparedness and homeland security. A required course in program evaluation caps the core courses by allowing the student to develop the tools needed to assess the impact of management directions and operational decisions.

**ENS 521 - Environmental Risk Assessment**
Introduction to the many aspects of risk assessment, the relationship between risk assessment and public policy and the perception of risk. Students will be expected to work out elementary problems in risk and exposure assessment.

**ENS 526 - Risk Management and Communication**
Risk management decisions and options. Public health, economic, ethical, social, and political consequences of decisions. Decision stakeholders, techniques of decision communication, and implementation of choices. Quality assurance and quality control tools.

**PAD 533 - Program Evaluation**
Goals, methods, and techniques of program evaluation in public agencies and implications of program evaluation findings for legislative and executive program planning and implementation. Each student is required to design an evaluation of an organizational program.

**Elective Courses:** The student must take at least two four-hour elective courses from a list of 400 and 500-level courses from participating departments. That list currently includes the following courses. However, some departments are interested in participating in the certificate program and are going to be creating specific courses to add to the pool of electives. Students may choose electives to concentrate in a particular disciplinary area of interest.

**CRJ 447 - Investigative Concepts & Analysis**
Organizational and logical components of investigation as they relate to decision making and policy development in specific situations. Definition and analysis of fact-finding problems in both criminal and civil settings.

**CRJ 470 – Special Topics: Terrorism**
The focus of this course will be the challenges placed on law enforcement by terrorism. We will look at terrorism from a variety of considerations with special emphasis on the balance of security versus civil liberties. The course will discuss terrorism past, present, and future.

**CRJ 523 - Criminal Justice Policy Process**
Presents the policy process as it operates within the criminal justice arena. Examines the ways in which criminal justice policy issues are formulated, legitimated, implemented, and evaluated.
Emphasizes policy formulation and the relationships between implementation and evaluation.

**ENS 449 – Environmental Toxicology**
Study of effects of toxic chemicals on the environment. Included are sources, transport, chemical behavior, and toxic mechanisms of environmental pollutants.

**LES 522 - Health Care Law, Patient Privacy and HIPAA**
Covers basic concepts in the law as it relates to health care with emphasis on the implications of the privacy requirements of the HIPAA law and its privacy regulations. Students will review and address issues dealing with access to care, patient and provider rights and responsibility, the interplay of state and federal regulatory schemes and evolving legal issues related to delivering health care. Special emphasis will be placed on the impact the new HIPAA rules relating to access to patient records and privacy.

**LES/PAD 551 - Administrative Law**
Legal foundation of administrative powers and limitations; study of delegation of administrative power, administrative discretion, legislative and executive controls and legal restraints; types of administrative action and enforcement; administrative remedies; and judicial review of administrative action.

**PAC 403 - Emerging Diseases**
Examines the factors responsible for the emergence of previously unknown infectious diseases and the re-emergence of diseases thought to be controlled. This course is designed to provide non-scientists with up-to-date and accurate information regarding these afflictions. (Course taught by MPH faculty. When the PAC courses transition into home departments, this course will have another designator.)
POS 420 - National Security Issues & the US Constitution
Provides an historical and contemporary examination of the issues of U.S. constitutional law raised during times of heightened concern about national security.

POS 470 - Terrorism
Examines terrorism as a political phenomenon. Includes controversies surrounding defining the concept, contributions of scholarly literature to an understanding of the causes of terrorism, legal and political factors influencing policy responses to terrorism, and assessments of the impact of responses to terrorism by nations and by the international community.

POS 476 – International Politics of the Middle East
Examines the regional and global aspects of Middle East politics, with an emphasis on the Arab-Israeli dispute and the Persian Gulf area.

New Courses under Development: In addition to these existing course electives, the following four credit hour courses are being developed but have yet to go through the new course proposal process:

- **Criminal Justice**
  - Crisis Intervention

- **Environmental Studies**
  - GIS for Emergency Preparedness

- **Legal Studies**
  - Course in legal issues in emergency preparedness & homeland security

- **Public Administration**
  - Graduate course in intergovernmental relations

- **Public Health**
  - Graduate course in forensic epidemiology
  - Graduate course in public health issues in emergency preparedness & homeland security