1. Catalog Description
   a) Course number: AET 4823
   b) Title: Facility Security
   c) Meeting times and credit: 3-0-3
   d) Term to be offered: S, F
   e) Short title: Facility Sec
   f) Course description: Study of physical security system including: assets, threats, vulnerabilities, and risks; Crime Prevention through Environmental Design (CPTED), site, exterior, and interior security; physical protection system design; integrated security and surveillance systems; security assessment; and security management and its role in organizations.
   g) Prerequisite: None
   h) Initial term of course offering: Spring 2007

2. Student Learning Objectives and Evaluation
   a) Student learning objectives of the course:

   EIU graduates will:
   • Demonstrate understanding of personnel security awareness, hiring and screening procedures, and environmental management.
   • Demonstrate understanding of emergency planning and crisis response.
   • Demonstrate understanding of the physical security of the facility.
   • Develop a security focused layout for a facility.

   b) Student assessment and grades:
   Student achievement will be assessed and grades will be determined according to class participation, class exercises, facility security development projects, a mid-term test and a final exam. Grades will be based upon the following distribution:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
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<tbody>
<tr>
<td>Class participation and exercises</td>
<td>300</td>
</tr>
<tr>
<td>Facility security projects and reports</td>
<td>500</td>
</tr>
<tr>
<td>Mid-term test</td>
<td>100</td>
</tr>
<tr>
<td>Final exam</td>
<td>100</td>
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   Graduate students taking this course will have an additional task of a research paper on the latest security technologies and the affect the technologies have on business and industry.

   c) Technology-Delivered Format:
   Because this course deals with security issues for manufacturing and service industries, delivering the knowledge content through the web and WebCT will be available.

   A technology-delivered format of this course will be available. The use of web, WebCT, and
other technologies will be used to deliver course content.

Homework assignments, tests, security projects, and other activities can be submitted through WebCT. The integrity of the course will be the same as face-to-face course.

The mid-term and final exam will be administered through WebCT. The tests will have time limits, consist of questions chosen from a pool of possible questions, and be of sufficient length to restrict students from extensive reliance on references, other students, etc. Tests comprise a small percentage of the final course grade.

Active interactions among and between the students and the instructor will be maintained through emails, WebCT, web pages, etc. Virtual office hours will be planned, as appropriate or as requested.

3. Outline of the Course

| a) Introduction: Facility security issues faced by enterprises | 1 |
| b) Basic design considerations for external facility security | 3 |
| Project I |
| c) Design considerations for internal facility security | 3 |
| Project II |
| d) Personnel security and screening procedures | 3 |
| Project III |
| e) Facility environmental management | 2 |
| Project IV |
| f) Facility emergency planning and crisis response | 3 |
| Project V |

The above content was designed on a typical 15-week term. It will remain the same regardless if the course is instructed in an asynchronous learning environment or face-to-face modality.

4. Rationale

a) Purpose and need:
This course will introduce students to the principles and practices of implementing facility security in modern businesses and industries. Major content include physical security of the facility (structure, content, and utilities), security awareness for personnel, security of raw materials, and security of finished goods/services.

Security has become a major concern of every individual and organization. This course is being developed as a part of our “Technology Security” graduate certificate program, in response to the call of Homeland Security Educational Initiative by IBHE.

The security of facilities is an issue of significant importance and much misunderstanding. Facility layout should consider critical system assets and the physical security needs of those assets. It is essential for all organizations to have sound security practices and readiness that can protect their personnel and physical facilities or other emergencies.

b) Justification of the course level:
A senior-level course is suitable for students who prepare to become managers in industry. The proposed course will provide undergraduate and graduate students with knowledge and skills to effectively manage facility security in industry. With this foundation, students will be able to develop more advanced skills and gain additional experience to become effective leaders in security management.

c) Similarity to existing courses: None.

d) Impact on Program(s):
This course will be a required core for the graduate certificate program of “Technology Security.” In addition, graduate students can take this course as an elective for Master of Science in Technology degree. This course will enhance the offerings of the graduate programs in Technology.

5. Implementation
   a. Faculty: Faculty in the School of Technology.
   b. Additional costs to students: None. Students need to have regular access to the Internet.
   d. Term to be first offered: Spring 2007.

6. Community College Transfer: Not applicable.

7. Date approved by the School of Technology Curriculum Committee: 10/21/05

8. Date approved by Lumpkin College of Business and Applied Sciences Curriculum Committee: 11/14/05

9. Approved by the Council on Academic Affairs: 12/1/05

10. Approved by the Council on Graduate Studies: 12/6/05