Graduate Seminar: Internet Operations
ITS 577 100 – 6346, Winter 2011/2012

Class Meetings: F 10-11, Lindley Conference Room (moved from ARC 315)
Final Exam Time: Monday, March 12, at 8 a.m.
Textbook: -none-
Readings will be assigned from a variety of sources.
Class Web Site: OU Blackboard system

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Office Hours: see http://www.its.ohiou.edu/kruse

Class Content
We will cover the following materials (see the web site for more details):

- Technical and policy issues in IP address allocation.
- Exterior routing protocols and route announcements
- IPSEC and Virtual Private Networks
- Network renumbering in IPv4 and IPv6
- Mobile IP
- Network Management, Monitoring, and Network Access Control
- Voice over IP Infrastructure

Learning Outcomes
On the technical side, you are expected to gain a better understanding of technologies and management processes that influence the proper operation of corporate networks as well as the Internet as a whole. You will also learn techniques to understand and analyze primary source materials, and to present these materials in a discussion with peers.

Exams
There are no in-class exams. A term paper is required and due by the end of the final exam time. (See below).

Class Preparation
Each student will be assigned a document to read and informally report on in class. You should prepare no more than two presentation slides summarizing the main points to be discussed. A portion of the class grade will be assigned based on this report.

Term paper
Each student will select one of the weekly topics and prepare a short (about 5 page) term paper due at the end of the final exam period.
**Attendance Requirements**

Attendance is required. Unexcused absences will result in a reduction of the students grade in the amount of 3.5% points per absence.

Please refer to your Student Handbook for a definition of excused absences and related information.

**Grading Basis**

<table>
<thead>
<tr>
<th>Class Preparation</th>
<th>Term Paper</th>
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<tr>
<td>50%</td>
<td>50%</td>
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**Grade Determination**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Minimum points required (+)</th>
<th>Minimum points required (-)</th>
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<tbody>
<tr>
<td>A</td>
<td>93%</td>
<td>90%</td>
</tr>
<tr>
<td>B</td>
<td>87%</td>
<td>83%</td>
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<tr>
<td>C</td>
<td>77%</td>
<td>73%</td>
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<tr>
<td>D</td>
<td>67%</td>
<td>63%</td>
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Any score below 60% will result in a failing grade (F).

**Academic Misconduct**

The published policies of Ohio University prohibit any form of academic misconduct and dishonesty. These policies fully apply to this course, and it is assumed that every student is familiar with them. Violations of the academic misconduct prohibitions will result in a reduction of the student’s grade and/or other penalties as indicated in the policies.

**Storage of Records and Materials**

All materials turned in to me as part of the assignments in this course will be returned to you once they are graded. Any records (grades, attendance, etc.) and materials which have not been picked up will be discarded after one year.