Course Title:
INF-256 Topics in Networking

Credits/Hours:
3 credits/3 hours lecture.

Course Description:
Topics in Networking focuses on the latest advances in networking theory and administration. Students study topics that are of current relevance within this dynamic and fast growing field. As the topics will change each semester, emphasis will be on identifying changes in networking standards and protocols; media, architecture and hardware; network security; shifts in vendor product and market share; and future technologies. Students are expected to use the Internet as a key fact finding resources.

Textbooks and Supplies:
See course outline

<table>
<thead>
<tr>
<th>Student Learning Objectives</th>
<th>Assessment Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Explain how Wireless works</td>
<td>Exam</td>
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<td>2. Explain radio frequency communications</td>
<td>Exam</td>
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<td>3. Explain and use Bluetooth</td>
<td>Exam</td>
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<td>4. Secure a wireless LAN</td>
<td>Exam</td>
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<td>5. Explain the basic telephone configuration</td>
<td>Exam</td>
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<td>6. Explain telephone signaling</td>
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<td>7. Explain Voice over IP and show its advantages</td>
<td>Exam</td>
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College Competencies:

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<tr>
<th>College Competencies</th>
<th>Student Learning Objective:</th>
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<tr>
<td>1. Technological and Information Literacy – Students will demonstrate computer literacy, and will be able to retrieve, organize, and analyze information using both technological and traditional means.</td>
<td>All</td>
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<td>2. Applied Knowledge – Students will demonstrate an understanding of, and apply, bodies of knowledge within and across disciplines</td>
<td>3,4,7</td>
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<td>3. Critical Thinking – Students will actively reflect on, reason about, and form independent judgments on a variety of ideas and information, and use these skills to guide their beliefs and actions</td>
<td>4,6,7</td>
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Course Content:
See course outline

Assessment:
An average of 60% from combined assessment measures is required
to demonstrate proficiency in course material.

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<tr>
<td>Exams</td>
<td>75%</td>
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<tr>
<td>Final Exam</td>
<td>25%</td>
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Testing:
Students are required to take examinations on the day and time they are scheduled. If special
circumstances require a test schedule adjustment, this must be worked out in advance with the
instructor. The highest three exam scores (Exam 1, Exam 2, Exam 3, Optional Cumulative Final) will
be used when computing the student’s final exam average. If a student misses an exam (except for
prearranged circumstances with the instructor) a zero grade will be assigned and the student should
plan to take the optional cumulative final.

The instructor can be reached by telephone (see course outline for appropriate phone number), e-
mail, or written note left in the Divisional Office (during the day) A-306C or the Evening Office L-113.
If there are extreme circumstances (documentation may be required) that prevent a student from taking
a test according to the published schedule, use one of the above options to contact the instructor
before the next class. An arrangement for a special testing schedule is solely at the discretion of the
instructor. A student who waits for the next class session to speak with the instructor will not be
accommodated with a special test schedule.

It is the student’s responsibility to finish an examination correctly and completely. Therefore, when
computer Scantron forms are used as answer sheets, the student must use a Number 2 lead pencil
and erase all stray marks completely. The burden of proper erasure is at test taking time. Once the
examinations are returned to the students, there will be no grade adjustments made due to
inappropriate completion of the response form.

Homework:
In addition to any homework assignment given during class, it is a standing assignment that the
student read each chapter of the book prior to its discussion. Following the class discussion, the
student should reread the material and work with the exercises throughout the text. It is anticipated that
students will spend at least 4-hours per week reading the text and working with the exercises and
supplemental resources.

Policies:
• Lateness – The roll will be taken at the beginning of class. If the student is not in attendance at that
time, he/she will be carried in the roll book as being absent unless the instructor is notified
immediately after class. Attendance sheets cannot be adjusted at following class meetings.
• The student must adhere to all college polices. Due to the nature of this course, it is recommended
that the student review the policy titled “Acceptable Information Technology Use at Bergen
Community College”.
• The use of portable electronic devices such as pagers and cell phones is not permitted while class
is in session. Please be sure to silence electronic devices before entering class.
• The use of audio CD or tape players, radios, and college computers to play music during class is
prohibited.

- Students are expected to demonstrate listening, reading, note taking, and writing skills. The student will need to take notes during class discussions and understand and follow verbal and written directions. All assignments and correspondence with the instructor (including e-mail) must be well written in full sentence format. Proper paragraph format must be used for all postings to the student bulletin board (if applicable).

- The subject line of all e-mail correspondence to the instructor must contain the course number and section and student’s name. Any e-mail received without this information will not be opened.

- Plagiarism in any form will be treated as a failure to complete an assignment. All work submitted should reflect individual effort by the student.

- In borderline cases that arise in almost every class each semester a student’s attendance, class participation, attitude, and observed effort will be considered in helping to determine the student’s final grade.

If the instructor does not appear after 20 minutes following the scheduled time, students should generate an attendance list. One volunteer member need deliver the list, containing the course title, date, and instructor’s name, to the Evening Office L-113 or to the Divisional Office (during the day) A-306C.

**Additional policy and assessment information may be distributed by individual instructors.**