Note:

Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should not be used to purchase course materials.
COURSE SYLLABUS

BMIS 330
BUSINESS DATA COMMUNICATION SYSTEMS

COURSE DESCRIPTION

Business Data Communications. The study of the movement of information (data) one device to another by means of electrical, optical, radio, or satellite transmission systems. This course will introduce the architecture, concepts, terminology, design, and management issues related the modern environment of networking and data communications. Various types of networks and communication systems, protocols, regulatory issues, and policies will be explored. (Formerly ISYS and CMIS 330)

RATIONALE

Data communications and networking systems are the foundation of today’s business, online educational, and many personal infrastructures. Data communications and computer networks provide the basic framework through which every other application, software package, or interface is delivered, making them fundamental building blocks in any information system. This course provides foundational knowledge of data networking and prepares the student specializing in data networking for subsequent courses in the discipline.

I. PREREQUISITES
For information regarding prerequisites for this course, please refer to the Academic Course Catalog.

II. REQUIRED RESOURCE PURCHASES
Click on the following link to view the required resource(s) for the term in which you are registered: http://bookstore.mbsdirect.net/liberty.htm

III. ADDITIONAL MATERIALS FOR LEARNING
A. Computer with basic audio/video output equipment
B. Internet access (broadband recommended)
C. Microsoft Office
D. Wireshark (Download instructions are provided within the course.)
E. Cisco Packet Tracer (Download instructions are provided within the course.)
IV. **Measurable Learning Outcomes**

Upon successful completion of this course, the student will be able to:

A. Integrate the relevance of course material and the use of technology into a biblical worldview.

B. Identify components of a modern computer network in a layered architecture as referenced in the OSI and TCP/IP models.

C. Use current technologies to simulate, configure, test, and examine devices and traffic in a network.

D. Construct basic network topologies.

V. **Course Requirements and Assignments**

A. Textbook readings, lecture presentations, and videos

B. Course Requirements Checklist

After reading the Course Syllabus and [Student Expectations](#), the student will complete the related checklist found in Module/Week 1.

C. Packet Tracer Affirmation Statement

After reading the Cisco Packet Tracer Terms of Use, the student will complete the related acknowledgement.

D. Discussion Board Forums (2)

Discussion boards are collaborative learning experiences. Therefore, the student is required to create a thread in response to the provided prompt for each forum. Each thread must be a minimum of 300 words, contain 2 citations, and demonstrate course-related knowledge. In addition to the thread, the student is required to reply to 2 other classmates’ threads. Each reply must be a minimum of 100 words. Sources must be documented in current APA format.

E. Labs (20)

The student will complete a varying number of labs per module/week. This will include a combination of Packet Tracer, Wireshark, binary conversion, and OS command activities to reinforce the materials presented in each module/week.

F. Quizzes (7)

Each quiz will be open-book/open-notes and will consist of 25 true/false and multiple-choice questions. The student will have 45 minutes to complete each quiz.

G. Final Exam

The exam will be open-book/open-notes and will consist of 100 true/false and multiple-choice questions. The student will have 2 hours and 30 minutes to complete the exam.
# BMIS 330 Course Syllabus

## Course Grading and Policies

### A. Points

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Requirements Checklist</td>
<td>10</td>
</tr>
<tr>
<td>Packet Tracer Affirmation Statement</td>
<td>0</td>
</tr>
<tr>
<td>Discussion Board Forums (2 at 40 pts ea)</td>
<td>80</td>
</tr>
<tr>
<td>Labs (1 at 15 pts; 2 at 20 pts ea; 6 at 25 pts ea; 3 at 30 pts ea; 1 at 35 pts ea; 2 at 40 pts ea; 3 at 45 pts ea; 2 at 50 pts ea)</td>
<td>645</td>
</tr>
<tr>
<td>Quizzes (7 at 25 pts ea)</td>
<td>175</td>
</tr>
<tr>
<td>Final Exam</td>
<td>100</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1010</strong></td>
</tr>
</tbody>
</table>

### B. Scale

- A = 900–1010
- B = 800–899
- C = 700–799
- D = 600–699
- F = 0–599

### C. Late Assignment Policy

If the student is unable to complete an assignment on time, then he or she must contact the instructor immediately by email.

Assignments that are submitted after the due date without prior approval from the instructor will receive the following deductions:

1. Late assignments submitted within one week of the due date will receive a 10% deduction.
2. Assignments submitted more than one week late will receive a 20% deduction.
3. Assignments submitted two weeks late or after the final date of the course will not be accepted.
4. Late Discussion Board threads or replies will not be accepted.

Special circumstances (e.g., death in the family, personal health issues) will be reviewed by the instructor on a case-by-case basis.

### D. Quizzes/Tests/Exams

1. For timed quizzes/test/exams, the student is required to complete the quiz/test/exam within the assigned time. For the student who exceeds this time limit, a penalty of 1 point will be deducted for each minute, or part thereof, he/she exceeds the assigned time limit.

### E. Disability Assistance

Students with a documented disability may contact Liberty University Online’s Office of Disability Academic Support (ODAS) at LUOODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.
**COURSE SCHEDULE**

**BMIS 330**


<table>
<thead>
<tr>
<th>MODULE/WEEK</th>
<th>READING &amp; STUDY</th>
<th>ASSIGNMENTS</th>
<th>POINTS</th>
</tr>
</thead>
</table>
| 1           | Cisco Press: chs. 1–2  
1 presentation  
2 videos | Course Requirements Checklist  
Class Introductions  
Packet Tracer Affirmation Statement  
Lab 1  
Lab 2  
Lab 3  
Quiz 1 | 10  
0  
0  
25  
30  
30  
25 |
| 2           | Cisco Press: ch. 3  
2 presentations  
2 videos | Lab 4  
Lab 5  
Lab 6  
Quiz 2 | 25  
25  
20  
25 |
| 3           | Cisco Press: ch. 4  
1 presentation  
13 videos | DB Forum 1  
Lab 7  
Lab 8  
Quiz 3 | 40  
25  
40  
25 |
| 4           | Cisco Press: chs. 5–6  
1 presentation  
5 videos | Lab 9  
Lab 10  
Lab 11  
Quiz 4 | 35  
45  
25  
25 |
| 5           | Cisco Press: chs. 7, 10  
1 presentation  
6 videos | Lab 12  
Lab 13  
Lab 14  
Quiz 5 | 20  
25  
40  
25 |
| 6           | Cisco Press: ch. 8  
1 presentation  
8 videos | Lab 15  
Lab 16  
Lab 17  
Quiz 6 | 30  
15  
50  
25 |
| 7           | Cisco Press: ch. 9  
1 presentation  
2 videos  
1 article  
1 website | DB Forum 2  
Lab 18  
Quiz 7 | 40  
50  
25 |
| 8           | Cisco Press: ch. 11  
1 presentation  
1 video | Lab 19  
Lab 20  
Final Exam | 45  
45  
100 |

**TOTAL** 1010

DB = Discussion Board

**NOTE:** Each course module/week (except Module/Week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final module/week ends at 11:59 p.m. (ET) on Friday.