A. Academic Division: Business, Industry, and Technology

B. Discipline: Information Technology – Networking

C. Course Number and Title: ITEC2700 - Capstone for Networking Professionals

D. Course Coordinator: Jesse Payne
   Assistant Dean: Daniel Wagner

Instructor Information:
- Name:  
- Office Location:  
- Office Hours:  
- Phone Number:  
- E-Mail Address:  

E. Credit Hours: 3
   Lecture: 2 hours
   Laboratory: 2 hours

F. Prerequisites: ITEC 1635 (minimum grade of C-), ITEC 1650 (minimum grade of C-), ITEC 1690 (minimum grade of C-), ITEC 2610 (minimum grade of C-), COMM 1010, ENGL 1030

G. Syllabus Effective Date: Fall 2017

H. Textbook(s) Title:
   
   Illustrated Course Guides: Professionalism
   - Author: Jeff Butterfield
   - Copyright Year: 2017
   - Edition: 2nd Edition
   - ISBN: 9781337509121 (digital) or 9781337119269 (print copy)

   Illustrated Course Guides: Verbal Communication
   - Author: Jeff Butterfield
   - Copyright Year: 2017
   - Edition: 3rd Edition
   - ISBN: 9781337511582 (digital copy), 9781337119283 (print copy)

   Illustrated Course Guides: Written Communication
   - Author: Jeff Butterfield
   - Copyright Year: 2017
   - Edition: 3rd Edition
   - ISBN: 9781337509268 (digital copy), 9781337119290 (print copy)

I. Workbook(s) and/or Lab Manual: None
J. **Course Description:** This course requires students to work in teams to analyze, design, implement, and manage solutions for a comprehensive project. Teams document and present their work in formal settings throughout the course. Final presentations are reviewed by one or more information technology professionals.

K. **College-Wide Learning Outcomes:**

<table>
<thead>
<tr>
<th>College-Wide Learning Outcome</th>
<th>Assessments - - How it is met &amp; When it is met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication – Written</td>
<td>Project reports – Written Communication VALUE rubric - weeks 4, 8, 12, and 16</td>
</tr>
<tr>
<td>Communication – Speech</td>
<td>Project presentations - Oral Communication VALUE rubric - weeks 4, 8, 12, and 16</td>
</tr>
<tr>
<td>Intercultural Knowledge and Competence</td>
<td>Interviews with IT professionals, subject matter experts, and project stakeholders – Intercultural Knowledge and Competence VALUE rubric - weeks 1-7</td>
</tr>
<tr>
<td>Critical Thinking</td>
<td>Project needs assessments, constraints, timelines, and resource requirements – Critical Thinking VALUE rubric - weeks 1-16</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>Correct interpretation and implementation of network documents, policies, and procedures – Information Literacy VALUE rubric - weeks 1-16</td>
</tr>
<tr>
<td>Quantitative Literacy</td>
<td>Project worksheets at end of course: Network metrics, baselines, and performance calculations - Quantitative Literacy VALUE Rubric - weeks 1-16</td>
</tr>
</tbody>
</table>

L. **Course Outcomes and Assessment Methods:**

Upon successful completion of this course, the student shall:

<table>
<thead>
<tr>
<th>Outcomes</th>
<th>Assessments – How it is met &amp; When it is met</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Demonstrate effective professional behavior and communications in simulated business settings.</td>
<td>Oral and written presentations weeks 4, 8, 12, 16</td>
</tr>
<tr>
<td>2. Demonstrate cooperation and effectiveness in project team environments.</td>
<td>Written peer evaluation forms weeks 4, 8, 12, 16</td>
</tr>
<tr>
<td>3. Develop detailed written assessments of the project’s requirements, constraints, and scope and a general approach to project fulfillment.</td>
<td>Written report assessed by a writing rubric weeks 4, 8, 12, 16</td>
</tr>
<tr>
<td>4. Develop detailed written solutions to meet the project requirements.</td>
<td>Written report assessed by a writing rubric weeks 4, 8, 12, 16</td>
</tr>
<tr>
<td>5. Prepare and present the solution or solutions to be developed as prototypes, models, simulations, or demonstrations in oral and/or written form.</td>
<td>Oral and written presentation materials, prepared by team and individual students, assessed by writing and speech rubrics weeks 4, 8, 12, 16</td>
</tr>
<tr>
<td>6. Develop formal project plan documents including timelines, milestones, and resource requirements using project management software.</td>
<td>Written report assessed by a writing rubric weeks 4, 8, 12, 16</td>
</tr>
<tr>
<td>7. Prepare a final presentation demonstrating the prototypes, models, simulations, policies, or products, etc., developed with respect to the project’s requirements.</td>
<td>Oral and written presentation materials, prepared by team and individual students, assessed by writing and speech rubrics weeks 4, 8, 12, 16</td>
</tr>
</tbody>
</table>
Outcomes

8. Relate “lessons learned” with respect to the project’s goals and objectives, challenges and rewards, including suggestions for improving the course.

Assessments – How it is met & When it is met

Oral and written presentation materials, prepared by team and individual students, assessed by writing and speech rubrics weeks 4, 8, 12, 16

M. Topical Timeline (Subject to Change):

Project Assignment

a. Project description, weeks 1-2
b. Project structure, weeks 1-2
c. Team structure, weeks 1-2
d. Project scope, weeks 1-2
e. Project evaluations, weeks 1-16

Textbook - Professionalism:

Unit A. Presenting yourself professionally, week 1
Unit B. Developing a Professional work ethic, week 2
Unit C. Developing your interpersonal skills, week 3
Unit D. Winning at office politics, week 4
Unit E. Planning and managing your career week 5

Textbook - Verbal Communication:

Unit A. Understanding the basics of verbal communications, week 6
Unit B. Working with customers, week 7
Unit C. Developing professional telephone skills, week 8
Unit D. Improving informal communications, week 9
Unit E. Making formal presentations, week 10

Textbook - Written Communication:

Unit A. Communicating with Email and memos, week 11
Unit B. Uncovering the secrets of clear writing, week 12
Unit C. Developing reports and proposals, week 13
Unit D. Writing for employment, week 14
Unit E. Writing professional letters, week 15

N. Course Assignments:

1. Unit Tests
2. Team Project & Report
3. Oral and Written Presentations
4. Interview

O. Recommended Grading Scale:

<table>
<thead>
<tr>
<th>NUMERIC</th>
<th>GRADE</th>
<th>POINTS</th>
<th>DEFINITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>93–100</td>
<td>A</td>
<td>4.00</td>
<td>Superior</td>
</tr>
<tr>
<td>90–92</td>
<td>A-</td>
<td>3.67</td>
<td>Superior</td>
</tr>
<tr>
<td>87–89</td>
<td>B+</td>
<td>3.33</td>
<td>Above Average</td>
</tr>
<tr>
<td>83–86</td>
<td>B</td>
<td>3.00</td>
<td>Above Average</td>
</tr>
<tr>
<td>80–82</td>
<td>B-</td>
<td>2.67</td>
<td>Above Average</td>
</tr>
<tr>
<td>77–79</td>
<td>C+</td>
<td>2.33</td>
<td>Average</td>
</tr>
<tr>
<td>73–76</td>
<td>C</td>
<td>2.00</td>
<td>Average</td>
</tr>
<tr>
<td>70–72</td>
<td>C-</td>
<td>1.67</td>
<td>Below Average</td>
</tr>
<tr>
<td>67–69</td>
<td>D+</td>
<td>1.33</td>
<td>Below Average</td>
</tr>
<tr>
<td>63–66</td>
<td>D</td>
<td>1.00</td>
<td>Below Average</td>
</tr>
</tbody>
</table>
P. Grading and Testing Guidelines:

Click here to enter text.

Q. Examination Policy:

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R. Class Attendance and Homework Make-Up Policy:

Click here to enter text.

S. Classroom Expectations:

Click here to enter text.

T. College Procedures/Policies:

Attendance Requirements: All students are required to attend all scheduled classes and examinations. Each faculty member has the right to establish regulations regarding attendance that he/she considers necessary for successful study.

Students who do not attend classes may be administratively withdrawn from those classes. However, failure to attend classes does not constitute withdrawal, and students are expected to process a formal withdrawal through the Student Records Office in Kee Hall.

Student engagement requirements:
Student engagement is based on the “active pursuit” of learning which can be measured by class attendance, class participation (in class or online), taking required quizzes/examinations, and submission of work assignments or papers. Student engagement consists of a student attending at least 60% of the class sessions (there should be attendance throughout the term) and/or completing 75% of the assignments listed on the syllabus at the midpoint in the term. Exceptions can be made when there is on-going communication between the student and faculty member. The communication must be documented and the faculty member and student must be in agreement regarding the exception. Students not meeting the expectation will be administratively withdrawn from class. If a student believes he/she was administratively withdrawn in error, he/she may file an appeal. Being administratively withdrawn may have program and financial aid implications.

Academic Misconduct is any activity that tends to compromise the academic integrity of the college, or subvert the educational process. Examples of academic misconduct include, but are not limited to:

1. Violation of course or program rules as contained in the course syllabus or other information provided to the student; violation of program requirements as established by departments and made available to students.

2. Plagiarism including, but not limited to, submitting, without appropriate acknowledgment, any written, visual or oral material that has been copied in whole or in part from the work of others (whether such source is published or not) even if the material is completely paraphrased in one’s own words. This includes another individual’s academic composition, compilation, or other product, or a commercially prepared paper. Plagiarism also includes submitting work in which portions were substantially produced by someone acting as a tutor or editor.
Such practices constitute plagiarism regardless of motive. Those who deny deceitful intent, claim not to have known that the act constituted plagiarism, or maintain that what they did was inadvertent are nevertheless subject to penalties when plagiarism has been confirmed.

3. **Cheating** and dishonest practices in connection with examinations, papers and projects, including but not limited to using unauthorized notes, study aids or information on an examination; obtaining help from another student during an examination; taking an exam or doing work for another student; providing one’s own work for another student to copy and submit as his/her own; or allowing another student to do one’s work and then submitting the work as one’s own. Also included would be altering a graded work after it has been returned, then submitting the work for re-grading; or submitting identical or similar papers for credit in more than one course without prior permission from the course instructors.

4. **Fabrication** including but not limited to falsifying or inventing any information, data or citation; presenting data that were not gathered in accordance with defined appropriate guidelines, and failing to include an accurate account of the method by which data were collected.

5. **Obtaining an Unfair Advantage** including, but not limited to stealing, reproducing, circulating, or otherwise gaining access to examination materials prior to the time authorized by the instructor; unauthorized collaborating on an academic assignment; taking, hiding or altering resource material; or undertaking any activity with the purpose of creating or obtaining an unfair advantage over another student’s academic work.

6. **Aiding and Abetting Academic Dishonesty** including, but not limited to providing material, information or other assistance to another person with the knowledge that such aid could be used in any of the violations stated above, or providing false information in connection with any inquiry regarding academic integrity.

7. **Alteration of Grades or Marks** including but not limited to, action by the student in an effort to change the earned credit or grade.

In addition, cases of academic dishonesty may involve photocopied materials. Materials used may fall under the Copyright Act. Violations of said Act may subject the user and/or the College to sanctions.

**Statement on Disabilities:** Any student who requires reasonable accommodations related to a disability should inform the course instructor and the Coordinator of Specialized Services (Room 138 in Kee Hall; phone 419-755-4727).

Students who encounter difficulty in any of their courses are encouraged to visit the Tutoring Resource Center (Room 119 in Fallerius Technical Education Center) for tutoring assistance, and the Student Success Center (Room 136 in Kee Hall) for academic assistance, advising services, referrals for personal counseling and Learning Disability (LD) Testing.

**Statement on Withdrawals:** As a student, you are expected to attend class. If you are unable or choose not to attend class, or if for whatever reason you are unable to keep up with the requirements of a course, you need to officially drop the class at the Student Records Office. Refund dates and withdrawal dates will vary slightly from term to term. Contact the Student Records Office for applicable dates. Additionally these dates are posted on the academic calendar available on the college’s website, [www.ncstatecollege.edu](http://www.ncstatecollege.edu), under the Academics heading on the home page and are available at the Student Records Office in Kee Hall. Students should go to the Student Records Office (Room 142 in Kee Hall) to process their withdrawal from any class.

If you choose to walk away from your class without officially withdrawing from it, the faculty member teaching the class must grade your classroom performance on the material available to him or her. This normally results in an "F" grade. An "F" grade can lower your grade point average considerably depending on the total credits accumulated.