FRANKLIN UNIVERSITY

ITEC 495

ITEC Capstone Introduction

Instructor: Wayne Smith

About the Instructor

- Franklin Instructor for a number of years now
- Currently serving as Director of IT for an Ohio Healthcare Organization
- Role in ITEC495 is more that of Project Advisor and coach than Instructor
- Best way to contact me is via smithw@franklin.edu – I will endeavor to respond to your messages in 24 hours or less

Essential Information

- Please read Essential Information regarding this class found in course announcement (expectations, assignment submission requirements, etc.)
- ITEC495 Resource Page (additional resources, project ideas, report samples, submission samples, etc.)
- Refer to weekly Instructor Notes and Franklin email for pertinent info related to this class
- Enroll in class at Turnitin.com (refer to announcement for details)
- Importance of academic integrity in all you submit
- Login in to AROPA Peer Review site

Academic Integrity

- Academic integrity is submitting one's own work and properly acknowledging the contributions of others. Any violation of this principle constitutes academic dishonesty and is liable to result in a failing grade and disciplinary action. Forms of academic dishonesty include:
  - **Plagiarism** – submitting all or part of another's work as one's own in an academic exercise such as an examination, a computer program, or written assignment.
  - **Cheating** – using or attempting to use unauthorized materials on an examination or assignment, such as using unauthorized texts or notes or improperly obtaining (or attempting to obtain) copies of an examination or answers to an examination.
  - **Facilitating Academic Dishonesty** – helping another commit an act of dishonesty, such as substituting for an examination or completing an assignment for someone else.
  - **Fabrication** – altering or transmitting, without authorization, academic information or records.
- APA Citations and References; Turnitin.com

ITEC Program Level Outcomes

- Graduates of the Information Technology major will:
- be prepared to compete successfully in securing employment or progressing in their chosen field;
- apply network design to small and medium-scale networks;
- apply the foundations of management information systems to redesign and reshape organizations through the information systems that support them;
- practice effective systems administration and scripting techniques;
- apply current industry practices to the assessment of information systems in order to prepare, implement, and maintain security plans; and
- communicate effectively for a range of purposes and audiences

Capstone Description

- The Information Technology Capstone course encourages teamwork in small groups on a substantial project.
- The intent of this course is to provide a capstone experience that integrates the material contained in courses required of the information technology major.
- It also provides an opportunity for students to recognize and evaluate the interrelationship of their general education courses with the courses taken for their information technology major.
- The capstone course will include discussion about professional and ethical issues related to information technology.
- Students will also culminate their experiences with an overview of the evolution of computer systems and a look at the near-term future.

Course Outcomes

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

- Create a suitable definition of "information technology".
- Investigate the contributions of people in the information technology discipline.
- Investigate the evolution of computer hardware and software.
- Predict the implications of applying a code of ethics to the field of information technology.
- Synthesize skills gained throughout the information technology curriculum to solve a "real world" problem.
- Recommend solutions after viewing an information technology-related problem from a variety of perspectives and vantage points.
- Effectively communicate a solution to an information technology problem, both orally and in writing.
- Assess the global development of information technology.

Deliverables

- The course is divided into weekly tasks, both group and individual:

Group: Vision & Scope (Draft, Peer Review, Revision, and Meta Review) – worth 195 points total.

- **Individual**: Whitepaper (Draft, Peer Review, Revision, and Meta Review) – worth 145 points total.
- **Group**: Status Report (Draft, Peer Review, Revision, and Meta Review) – worth 145 points total.
- **Group**: Final Report (Draft, Peer Review, Revision, and Meta Review) – worth 245 points total.
- **Group**: Presentation (Draft, Peer Review, Revision, and Meta Review) – worth 145 points total.
- **Individual**: Peer Evaluation – worth 25 points.
- **Individual**: Reflection Paper – worth 100 points.

Additional Assignments:

- There are also a few assignments that are important, but do not contribute to the points in the class. These are:

- Introductions – get to know your classmates so that you can begin forming a project team.
- Identify Business Adviser – identify someone in business, industry, or perhaps even a former instructor who can give you critical feedback on your deliverables.
- Nominate a Professor – Identify an influential professor from your time at Franklin and nominate them for a teaching award.

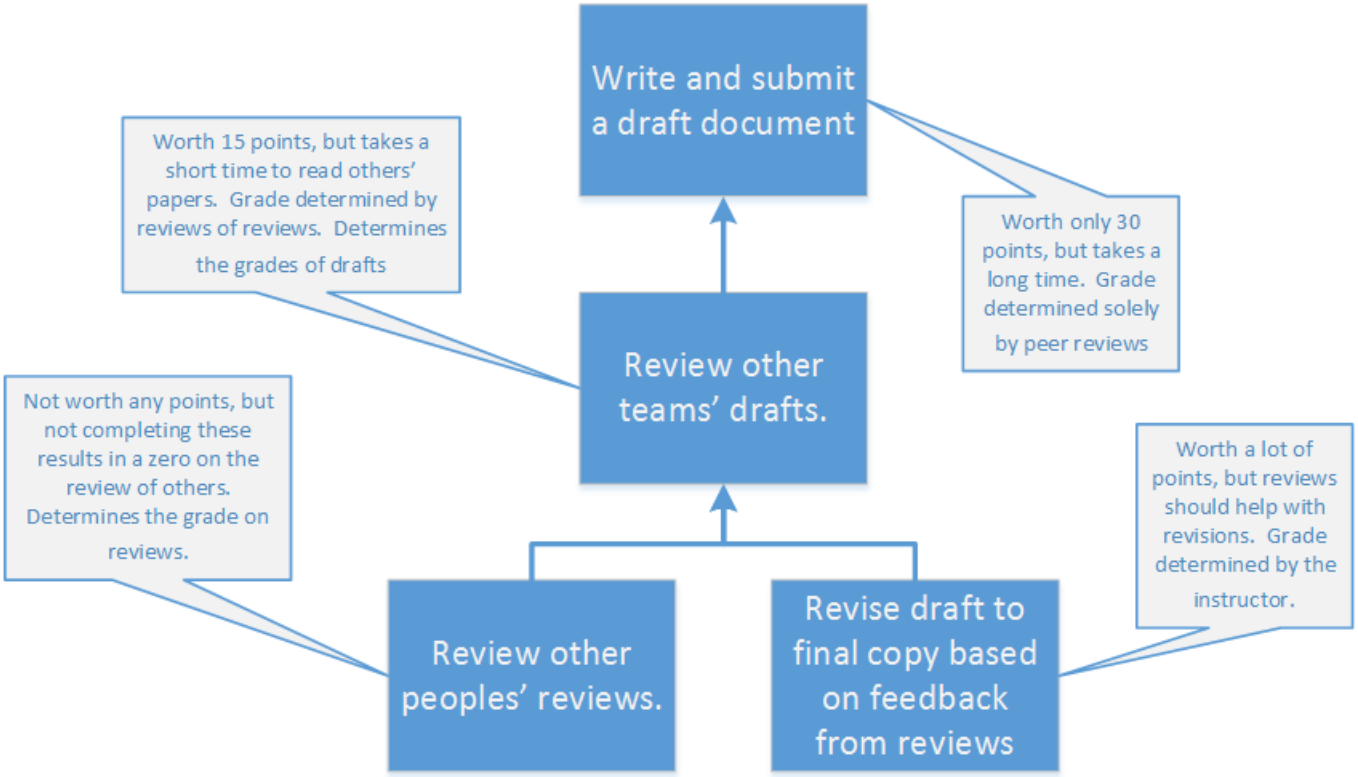
Peer Review – AROPA

- This version of the ITEC Capstone course involves a large measure of group/team work and ***peer review***.
- Defined by Mirriam Webster as –
- *a process by which a scholarly work (such as a paper or a research proposal) is checked by a group of experts in the same field to make sure it meets the necessary standards before it is published or accepted.*

Peer Review – AROPA

- To facilitate the peer review process employed throughout the course, and until such time as this feature is supported in-house, we will be using a web application called AROPA **from Glasgow University**, that resides outside of Franklin's system.
- Please be sure to review the learning materials related to accessing and using AROPA on the course site (***How to Submit and Review Documents*** container under Week 1)

Course Structure (cont.)



Capstone Project

- Central component of ITEC495
- Designed to assess your ability to…
  - synthesize skills gained throughout the information technology curriculum to solve a “real world” information technology problem
  - plan the development of an information technology solution adhering to given time constraints
  - compose a project proposal for a information technology problem

Capstone Project

- All project proposals must be approved by instructor
- The project must meet program-level outcomes
- Projects must be conducted in teams
- Teams ideally would be 3-5 members, and consist of people with different skill sets (development, IT, documentation, testing, etc.)
- Instructor will help with team development
- Not merely a report but an actual service or solution that addresses a real business need (your final presentation will include prototypes or demos as applicable)
- Ideally, it will compel you to learn and/or apply a new skill
- Ideally you will identify a real business need through a "business practitioner" at your work or in your community
- There are a number of project ideas on my Resource Page

Capstone Project Idea Samples

- Plan for the migration of physical servers to virtualized servers
- Design a training lab using current desktop virtualization or virtual application technologies
- Design Active Directory (or Novell directory) schema for organization
- Scoping out a migration from Windows and MS Office to Linux Ubuntu and OpenOffice

Miscellaneous Items

- Be sure your name, course and session number, and assignment number on the cover page of all assignment submissions
- Please use DropBox for all assignment submissions (date and time stamps assignments, and circumvents spam filter issues). DropBox is accessible from Course site – under Communications Menu
- Please check course announcements page and Franklin email account routinely for late breaking information
- Please direct all course site, Freud and service issues to the Franklin Help Desk
- Team Collaboration: Chat, Email, Bulletin Board, Franklin Live, Google Apps/Sites, Skype

Expectations and Tips for Future Assignments:

- **Expectations and Tips for Future Assignments:**
-
- All assignments will be submitted on or before the posted due date
- Review any late-breaking assignment-related announcements or details on the course site before starting any assignment
- All Assignments will have a *Cover Page with Student Name, Assignment Name and Number, Course and Session Info, Professor Name and current date*
- All assignments will have page numbering (page 1 of #)
- Writing quality will be appropriate for capstone-level students
- Unless specifically required, avoid first person voice (I, me, my, etc.).
- All third party content will be appropriately sourced, cited and referenced according to APA format
- All papers will be reviewed and checked for grammar and spelling
- Students who struggle with written English should avail themselves of Franklin Student Learning Center proofing service that is available to all students
- Please refer to the course syllabus for details regarding late penalties on assignments