ITMM 471 SYLLABUS

ITMM 471 Project Management for IT

Hours: 3 credit hours / 45 contact hours

Instructor: Brian Vanderjack, MBA, PMP, CSM, PMI-ACP

Textbook, title, author, and year
> *The 7 Habits of Highly Effective People,* Stephen R. Convey, 1989
>
> *A Guide to the Project Management Body of Knowledge 6th ed.* (A.K.A. the PMBOK), Project Management Institute, 2017

Specific course information
a. **Catalog description:** Basic principles of project management are taught with a particular focus on project planning for information technology hardware, software and networking project implementation. Management of application development and major Web development projects will also be addressed.
b. **Prerequisites:** ITM 100
c. **Required.**

Specific goals for the course
a. **Program Educational Objective:**
3. Apply current technical and mathematical concepts and practices in the core information technologies and recognize the need to engage in continuing professional development
b. **Course Outcomes:** Each successful student will be able to use and understand the concepts of project management as it applies to an information technology project.
c. **Course student outcomes:**
- Recall and describe concepts of project management
- Recall and describe the Approaches for Agile
- Describe Iterative and Adaptive Environments
- Describe and successfully use Scrum/Agile
  o Describe how these practices integrate in project settings
- Discuss strategic and business knowledge--including discussion of project management business documents--and information on the PMI Talent Triangle(tm) and the essential skills for success in today's market.
- Explain the role of information technology as the facilitating function in a modern business enterprise
- Describe considerations for deployment of technology in a business setting

- Explain the standards of professional communication used within the information technology profession
  o Communicate (understand, and respond) in a manner appropriate to the profession
- Successfully resolve conflicts related to a project
- Analyze a business problem and identify and define computing requirements and manage a project appropriate to its solution
- Communicate effectively in a variety of professional contexts
  (ABET Computing Criterion 3.3)
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles
  (ABET Computing Criterion 3.4)
- Function effectively as a member or leader of a team engaged in the design and development of information technology solutions to business problems
  (ABET Computing Criterion 3.5)
- Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems
  (ABET Computing Criterion 3.6)
- Assist in the creation of an effective project plan
  (Illinois Tech ITM Student Outcome (g))

Topics to be covered
a. What is a project?
b. Design Thinking
c. Scrum/Agile
d. Leadership
e. Conflict Management
f. PMI on Integration Management*
g. PMI on Scope Management*
h. PMI on Time Management*
i. PMI on Cost Management*
j. PMI on Quality Management*
k. PMI on Human Resources Management*
l. PMI on Communications Management*
m. PMI on Risk Management*
n. PMI on Procurement Management*
o. PMI on Stakeholder Management*
p. PMI On Ethics

Each ITM Departmental Syllabus represents a recent offering of the course. The instructor, textbook(s), course outcomes, and course student outcomes/learning objectives may vary in future semesters.

June 27, 2020