American Public University System

The Ultimate Advantage is an Educated Mind

Department of Information Technology ITMG625 – Project Integration, Scope and Time Credit Hours: 3 Length of Course: 8 Weeks Prerequisite(s): Graduate Student Status

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Instructor Information

| Instructor: |
|---------------|
| Email: |
| Phone: |
| Office Hours: |

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Course Description (Catalog)

The course is an advanced study of project management; it takes a systems approach to project management and examines project integration, project management knowledge areas (domains), project lifecycle, software development lifecycles, phases, and process groups, such as project initiation, planning, executing, controlling, and closing. This course also appraises the challenges and the techniques for managing scope on IT projects. This course also assesses methods, tools, and techniques to perform time management.

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Course Scope

STUDENT WARNING: This course syllabus is from a previous semester archive and serves only as a preparatory reference. Please use this syllabus as a reference only until the professor opens the classroom and you have access to the updated course syllabus. Please do NOT purchase any books or start any work based on this syllabus; this syllabus may NOT be the one that your individual instructor uses for a course that has not yet started. If you need to verify course textbooks, please refer to the online course description through your student portal. This syllabus is proprietary material of APUS. This course focuses on the Project Integration Management, Project Scope Management and Project Time Management. The project integration management knowledge area includes processes that are required to ensure all the project's components are coordinated. The students will learn that this knowledge area includes the project plan development processes, project plan execution processes, and integrated change control processes. The project scope management knowledge area is defined by the processes that limit and control the work included in a project. The students will learn that these processes ensure that all the work of the project is included. Processes in this knowledge area include the initiation process as well as all the processes related to the scoping of the project. Project Time Management is a subset of project management that includes the processes required to ensure timely completion of the project. The students will learn that this includes processes such as the activity definition and sequencing processes. This course is part of the suite of Project Management courses. This course focuses on the essential concepts of Project Integration Management, Project Scope Management, and Project Time Management.

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Course Objectives

A successful student will fulfill the following learning objectives:

- CO-1: Examine project charter, project management plan, and directing and managing project execution.
- CO-2: Examine monitoring and controlling techniques, and integrated change control
- CO-3: Examine the processes of collecting requirements and defining scope
- CO-4: Examine the processes of creating WBS
- CO-5: Examine the processes of scope verification and controlling scope
- CO-6: Examine the processes of defining and sequencing activities
- CO-7: Assess the tools and techniques of time estimates, including estimating resources and duration for activities
- CO-8: Assess the tools and techniques of developing project schedule

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Course Delivery Method

This course delivered via distance learning will enable students to complete academic work in a flexible manner, completely online. Course materials and access to an online learning management system will be made available to each student. The course will provide the student with the necessary knowledge of human resource and procurement management. Students are expected to fully participate in discussions and interact with the instructor and other students, required reading and assignments should be completed in a timely manner. Weekly lessons include announcements, reading assignments, discussion questions, case studies, and final research paper.

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Course Materials

Required Texts:

Kerzner, H. (2009) Project Management: A Systems Approach To Planning, Scheduling, and Controlling (10th ed.). Hoboken, NJ: Wiley. ISBN: 978-0-470-27870-3

Project Management Institute (2008), A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Fourth Edition, Newtown Square, PA, Project Management Institute. ISBN: 978-1933890517

Optional Texts: The follow two books can be download from www.pmi.org for free if you are a member of the Project Management Institute (PMI).

Project Management Institute (2011), Practice Standard for Scheduling – Second Edition, Newtown Square, PA, Project Management Institute. ISBN: 978-1-935589-24-2

Project Management Institute (2011), Practice Standard for Work Breakdown Structure – Second Edition, Newtown Square, PA, Project Management Institute. ISBN: 978-1-933890-13-5

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Evaluation Procedures

Course Requirements: Your final grade will be based on the following course requirements and percentages:

| Course Requirement | Percent |
|---|---------|
| 1. Weekly Forums – 8 weeks (5pts each question) | 40 |
| 2. Assignments – 6 critique papers (6 pts each) | 36 |
| 3. Research Paper Proposal | 4 |
| 4. Final Research Paper | 20 |
| Total | 100 |

Submit assignments to your student folder, and make sure you select the correct assignment association. Please name your submitted document with your last name as the first part of the file name. For example, Assignment #1 could be named, Lastname_Assignment1.doc. Discussion questions only need to be posted on the discussion board. It is not necessary to submit a word document containing your discussion board posts.

FORUM DISCUSSIONS:

Forum discussions will consist of one or more threads/topics each week. The questions are designed to allow you to apply what you have learned in the chapters to real-world scenarios or hypothetical, but realistic, situations. Post your answers to the questions in each thread prior to 11:59 p.m. ET on Thursday. Please do not be late with this post because your classmates will be relying on you to post on time to give them a post to respond to later in the week. A discussion period will then ensue from Thursday through Sunday.

Read your classmates' posts and post at least **two** follow-up messages to your classmates' posts prior to **11:59 p.m. ET on Sunday.** You may always post more than the required number of replies and you are encouraged to continue participating in the discussion even after you have met the minimum number of posts required. Your follow-up posts must contain substance and should add additional insight to your classmates' opinions or challenge their opinions. It is never sufficient to simply say, "I agree with what

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ASSIGNMENT REQUIREMENTS:

There will be four assignments, including case studies and critique of articles. These assignments have a strong writing component. The goal is to organize, synthesize, and demonstrate your comprehension of core concepts investigated during this course by applying a combination of the terms, concepts, and details you have learned in a systematic way. As important as "the details" that you analyze and arrange in your writing, however, are the conclusions you draw from those details, and your predictions, responses to, and ultimate interpretation of those details. You are required to list your references at the end of each assignment. References should be in APA citation format.

RESEARCH PROPOSAL:

In week 2, submit a research proposal for your final research paper. The subject of the final research paper must be in one of these areas: Project Integration Management, Project Scope Management, and Project Time Management. The research proposal must contain at least 2 pages and 3 of the 6 references required. References must be balanced among peer-reviewed articles, books, and websites. Search APUS online library for peer-reviewed articles within the last 3-5 years with at least 10 pages if possible.

The research proposal must include the following sections: abstract, introduction, research questions, relevance value, research methods, and expected results.

FINAL RESEARCH PAPER:

You will be required to write one final research paper this semester. Details on the projects will be listed under the assignments section. General specifications are as follows:

- 1. Content, not including cover page, reference pages, and tables, charts, and diagrams, must be 12 pages, no more than 15 pages. Cover and reference pages are required. The cover page must include the title of your paper, the date, the name of this course, your name, and your instructor's name. Topics must be approved.
- 2. The final research paper is due at the end of week 8.
- 3. The final research paper must be written in APA citation style Arial 12-point font or Times New Roman styles, double-spaced texts. You must cite a minimum of six outside sources which must be balanced among peer-reviewed articles, books, and websites.
- 4. Your paper must be in your own words, representing original work. Paraphrases of others' work must include attributions to the authors. Use quotations sparingly! It is always better to paraphrase than to directly quote.
- 5. The final research paper must be submitted to **Turnitin** for review in the classroom. PAPERS WITH AN ORIGINALITY REPORT FROM TURNITIN OVER 10% OR OVER 2% FROM A SINGLE SOURCE WILL RESULT IN A SIGNIFICANT POINT REDUCTION.

6. PER THE STUDENT HANDBOOK, YOU CANNOT SUBMIT A PAPER THAT HAS BEEN SUBMITTED IN ANOTHER COURSE.

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Grading Scale

Please see the student handbook to reference the University's grading scale.

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Course Outline

| Week | Topic(s) | <u>Learning</u> <u>Objective(s)</u> | Reading(s) | Assignment(s) |
|------|--------------------------------------|---|---|-----------------------------------|
| 1 | Project Integration Management | CO-1: Examine project charter, project management plan, and directing and managing project execution. | PMBOK Ch 2, 3, 4 Kerzner Ch 1-2, 11.3 | Week 1 Forum Week 1 Assignment |
| 2 | Project Integration Management | CO-2: Examine monitoring and controlling techniques, and integrated change control | PMBOK Ch 4 Kerzner Ch 5, 11 | Week 2 Forum Research Proposal |
| 3 | Project Scope Management | CO-3: Examine the processes of collecting requirements and defining scope | PMBOK 5.1, 5.2 Kerzner Ch 11.8, 11.9 Optional: PS WBS Ch 1 | Week 3 Forum Week 3 Assignment |
| 4 | Project Scope Management | CO-4: Examine the processes of creating WBS | PMBOK 5.3 Kerzner Ch 22, 11.11, 11.12 Optional: PS WBS, Ch 2, 3 | Week 4 Forum Week 4 Assignment |

| 5 | Project Scope Management | CO-5: Examine the processes of scope verification and controlling scope | PMBOK 5.4, 5.5 Kerzner Ch 22 Optional: PS WBS Ch 4, 5 | Week 5 Forum Week 5 Assignment |
|---|-----------------------------|---|---|--------------------------------------|
| 6 | Project Time Management | CO-6: Examine the processes of defining and sequencing activities | PMBOK 6.1, 6.2 Kerzner Ch 12 Optional: PS Scheduling Ch 1-2 | Week 6 Forum Week 6 Assignment |
| 7 | Project Time Management | CO-7: Assess the tools and techniques of time estimates, including estimating resources and duration for activities | PMBOK 6.3, 6.4 Kerzner Ch 13 Optional: PS Scheduling, Ch 3 | Week 7 Forum Week 7 Assignment |
| 8 | Project Time Management | CO-8: Assess the tools and techniques of developing project schedule | PMBOK 6.5, 6.6 Kerzner Ch 18 Optional: PS Scheduling, Ch 4-5 | Week 8 Forum Final research paper |

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Policies

Please see the student handbook to reference all University policies. Quick links to frequently question asked about policies are listed below.

Drop/Withdrawal Policy Plagiarism Policy Extension Process and Policy

WRITING EXPECTATIONS

All written submissions should be submitted in a font and page set-up that is readable and neat. It is recommended that students try to adhere to a consistent format, which is described below.

- Typewritten in double-spaced format with a readable style and font and submitted inside the
 electronic classroom (unless classroom access is not possible and other arrangements have been
 approved by the professor).
- Arial 11 or 12-point font or Times New Roman styles.

• Page margins Top, Bottom, Left Side and Right Side = 1 inch, with reasonable accommodation being made for special situations and online submission variances.

CITATION AND REFERENCE STYLE

Assignments completed in a narrative essay or composition format must follow APA guidelines. This course will require students to use the citation and reference style established by the American Psychological Association (APA), in which case students should follow the guidelines set forth in *Publication Manual of the American Psychological Association* (6th ed.). (2010). Washington, D.C.: American Psychological Association.

LATE ASSIGNMENTS

Students are expected to submit classroom assignments by the posted due date and to complete the course according to the published class schedule. As adults, students, and working professionals I understand you must manage competing demands on your time. Should you need additional time to complete an assignment please contact me before the due date so we can discuss the situation and determine an acceptable resolution. Routine submission of late assignments is unacceptable and may result in points deducted from your final course grade.

DISCLAIMER STATEMENT

Course content may vary from the outline to meet the needs of this particular group.

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Academic Services

The Online Library is available to enrolled students and faculty from inside the electronic campus. This is your starting point for access to online books, subscription periodicals, and Web resources that are designed to support your classes and generally not available through search engines on the open Web. In addition, the Online Library provides access to special learning resources, which the University has contracted to assist with your studies. Questions can be directed to librarian@apus.edu.

- Charles Town Library and Inter Library Loan: The University maintains a special library with a limited number of supporting volumes, collection of our professors' publication, and services to search and borrow research books and articles from other libraries.
- *Electronic Books:* You can use the online library to uncover and download over 50,000 titles, which have been scanned and made available in electronic format.
- *Electronic Journals:* The University provides access to over 12,000 journals, which are available in electronic form and only through limited subscription services.
- *Tutor.*com: AMU and APU Civilian & Coast Guard students are eligible for 10 free hours of tutoring provided by APUS. <u>Tutor.com</u> connects you with a professional tutor online 24/7 to provide help with assignments, studying, test prep, resume writing, and more. Tutor.com is tutoring the way it was meant to be. You get expert tutoring whenever you need help, and you work one-to-one with your tutor in your online classroom on your specific problem until it is done.

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Turnitin

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Selected Bibliography

Bates, S. (2010 August). Running a meeting: Ten rookie mistakes and how to avoid them [Online]. Available: http://www.managementconsultingnews.com/articles/bates_meeting.php

Campbell, C. (2006). The One-Page Project Manager: Communicate and Manage Any Project with a Single Sheet of Paper. Hobeken, NJ: John Wiley and Sons

Chapman, C. & Ward, S. (2003). *Project Risk Management: Processes, Techniques and Insights, 2nd Edition*. Hobeken, NJ: John Wiley and Sons

Cook, C. (2005). Just Enough Project Management. New York, NY: Mcgraw-Hill

Cusolito, R. (2010, August). Common challenges project managers face and tips for solving them [Online]. Available: http://www.butrain.com/project-management-training-courses/project-manager.asp

Fleming, Q. & Koppelman, J. (2005). *Earned Value Project Management*. Newtown Square, PA: Project Management Institute

Mathur, A. (2007, July). Scope management [Online]. Available: http://www.projectperfect.com.au/info_scope_management.php

Marchewka, J. (2006). *Information Technology Project Management: Providing Measurable Organizational Value*. Hobeken, NJ: John Wiley and Sons

Morris, P. & Pinto, J. (2007). The Wiley Guide to Project Control. Hobeken, NJ: John Wiley and Sons

Turbit, N. (2004, May). Creating a communication plan [Online]. Available: http://www.projectperfect.com.au/info comms plan.php

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 $Appendix \ A-Grading \ Rubric \\$

All written assignments will be assessed according to this rubric. Note that a score of 0 may be assigned in any category where your work does not meet the criteria for the beginning level.

| APUS Assignment Rubric Graduate Level 600+ | EXEMPLARY LEVEL 4 | ACCOMPLISHED LEVEL 3 | DEVELOPING LEVEL 2 | BEGINNNIG LEVEL 1 | TOTAL POINTS |
|---|---|---|---|---|-----------------|
| FOCUS/THESIS | Student exhibits a defined and clear understanding of the assignment. Thesis is clearly defined and well constructed to help guide the reader throughout the assignment. Student builds upon the thesis of the assignment with well-documented and exceptional supporting facts, figures, and/or statements. | Establishes a good comprehension of topic and in the building of the thesis. Student demonstrates an effective presentation of thesis, with most support statements helping to support the key focus of assignment. | Student exhibits a basic understanding of the intended assignment, but the thesis is not fully supported throughout the assignment. While thesis helps to guide the development of the assignment, the reader may have some difficulty in seeing linkages between thoughts. While student has included a few supporting facts and statements, this has limited the quality of the assignment. | Exhibits a limited understanding of the assignment. Reader is unable to follow the logic used for the thesis and development of key themes. Introduction of thesis is not clearly evident, and reader must look deeper to discover the focus of the writer. Student's writing is weak in the inclusion of supporting facts or statements. | |
| CONTENT/SUBJECT KNOWLEDGE | Student demonstrates proficient command of the subject matter in the assignment. Assignment shows an impressive level of depth of student's ability to relate course content to practical examples and applications. Student provides comprehensive analysis of details, facts, and concepts in a logical sequence. | Student exhibits above average usage of subject matter in assignment. Student provides above average ability in relating course content in examples given. Details and facts presented provide an adequate presentation of student's current level of subject matter knowledge. | The assignment reveals that the student has a general, fundamental understanding of the course material. Whereas, there are areas of some concerning in the linkages provided between facts and supporting statements. Student generally explains concepts, but only meets the minimum requirements in this area. | Student tries to explain some concepts, but overlooks critical details. Assignment appears vague or incomplete in various segments. Student presents concepts in isolation, and does not perceive to have a logical sequencing of ideas. | |
| CRITICAL THINKING | Student demonstrates a higher- | Student exhibits a good | Student takes a common, | Student demonstrates | |

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|-----------------|----------------------------------|------------------------------|-----------------------------------|-----------------------------|
| SKILLS | level of critical thinking | command of critical | conventional approach in | beginning understanding |
| | necessary for 300-400 level | thinking skills in the | guiding the reader through | of key concepts, but |
| | work. Learner provides a | presentation of material and | various linkages and connections | overlooks critical details. |
| | strategic approach in presenting | supporting statements. | presented in assignment. | Learner is unable to apply |
| | examples of problem solving or | Assignment demonstrates | However, student presents a | information in a problem- |
| | critical thinking, while drawing | the student's above average | limited perspective on key | solving fashion. Student |
| | logical conclusions which are | use of relating concepts by | concepts throughout assignment. | presents confusing |
| | not immediately obvious. | using a variety of factors. | Student appears to have | statements and facts in |
| | Student provides well- | Overall, student provides | problems applying information | assignment. No evidence |
| | supported ideas and reflection | adequate conclusions, with | in a problem-solving manner. | or little semblance of |
| | with a variety of current and/or | 2 or fewer errors. | | critical thinking skills. |
| | world views in the assignment. | | | |
| | Student presents a genuine | | | |
| | intellectual development of | | | |
| | ideas throughout assignment. | | | |
| ORGANIZATION OF | Student thoroughly understands | Student explains the | Learner applies some points and | Assignment reveals |
| IDEAS/FORMAT | and excels in explaining all | majority of points and | concepts incorrectly. Student | formatting errors and a |
| | major points. An original, | concepts in the assignment. | uses a variety of formatting | lack of organization. |
| | unique, and/or imaginative | Learner demonstrates a | styles, with some inconsistencies | Student presents an |
| | approach to overall ideas, | good skill level in | throughout the paper. | incomplete attempt to |
| | concepts, and findings is | formatting and organizing | Assignment does not have a | provide linkages or |
| | presented. Overall format of | material in assignment. | continuous pattern of logical | explanation of key terms. |
| | assignment includes an | Student presents an above | sequencing. Student uses less | The lack of appropriate |
| | appropriate introduction (or | average level of | than 3 sources or references. | references or source |
| | abstract), well- developed | preparedness, with a few | | materials demonstrates |
| | paragraphs, and conclusion. | formatting errors. | | the student's need for |
| | Finished assignment | Assignment contains less | | additional help or training |
| | demonstrates student's ability | than 5 resources. | | in this area. Student |
| | to plan and organize research in | | | needs to review and revise |
| | a logical sequence. Student | | | the assignment. |
| | uses at least of 5-7 references | | | <i>G</i> |
| | in assignment. | | | |
| WRITING | Student demonstrates an | Student provides an | Assignment reflects basic | Topics, concepts, and |
| CONVENTIONS | excellent command of | effective display of good | writing and grammar, but more | ideas are not coherently |
| (GRAMMAR & | grammar, as well as presents | writing and grammar. | than 5 errors. Key terms and | discussed or expressed in |
| MECHANICS) | research in a clear and concise | Assignment reflects | concepts are somewhat vague | assignments. Student's |
| minorin (100) | research in a crear and concise | 110015111110111 10110010 | concepts are somewhat vague | abbiginition. Diadont b |

| Jour statem portain Time | your student portar. This synabus is proprietary material of Ai Cos. | | | | | |
|--------------------------|--|-------------------------------|-----------------------------------|-----------------------------|--|--|
| | writing style. Presents a | student's ability to select | and not completely explained by | writing style is weak and | | |
| | thorough, extensive | appropriate word usage and | student. Student uses a basic | needs improvement, along | | |
| | understanding of word usage. | present an above average | vocabulary in assignment. | with numerous | | |
| | Student excels in the selection | presentation of a given topic | Student's writing ability is | proofreading errors. | | |
| | and development of a well- | or issue. Assignment | average, but demonstrates a | Assignment lacks clarity, | | |
| | planned research assignment. | appears to be well written | basic understanding of the | consistency, and | | |
| | Assignment is error-free and | with no more than 3-5 | subject matter. | correctness. Student | | |
| | reflects student's ability to | errors. Student provides a | | needs to review and revise | | |
| | prepare a high-quality | final written product that | | assignment. | | |
| | academic assignment. | covers the above-minimal | | | | |
| | | requirements. | | | | |
| USE OF COMPUTER | Student provides a high-caliber, | Assignment presents an | Student demonstrates a basic | Student needs to develop | | |
| TECHNOLOGY/ | formatted assignment. Learner | above-average use of | knowledge of computer | better formatting skills. | | |
| APPLICATIONS | exhibits excellent use of | formatting skills, with less | applications. Appearance of | The student may need to | | |
| | computer technology in the | than 3 errors. Students has | final assignment demonstrates | take additional training or | | |
| | development of assignment. | a good command of | the student's limited ability to | obtain help from the | | |
| | Quality and appropriateness of | computer applications to | format and present data. | Educator Help Desk while | | |
| | stated references demonstrate | format information and/or | Resources used in assignment | preparing an assignment. | | |
| | the student's ability to use | figures in an appropriate | are limited. Student may need to | Research and resources | | |
| | technology to conduct | format. Student uses at least | obtain further help in the use of | presented in the | | |
| | applicable research. Given | two types of computer | computer applications and | assignment are limited. | | |
| | assignment includes | applications to produce a | Internet research. | Student needs to expand | | |
| | appropriate word processing, | quality assignment. | | research scope. The | | |
| | spreadsheet and/or other | | | number of formatting | | |
| | computer applications as part | | | errors is not acceptable. | | |
| | of the final product. | | | _ | | |
| TOTAL POINTS | | | | | | |

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