

Technology and Project Management

by:

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**POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
OPEN UNIVERSITY SYSTEM**

OUTLINE

- 1.0 Class Orientation
- 2.0 The Nature of IT Projects
 - 2.1 Introduction
- 3.0 The Context of IT Proj. Mgnt.
 - 3.1 PM 10 Knowledge Areas





Class Orientation

Course Description

This course covers the fundamental project management principles and methodologies for managing the software development life-cycle and process models.



Course Description

It will also cover topics on

- ❖ process metrics;
- ❖ software project planning;
- ❖ monitoring, control, and schedule mechanisms;



Course Description

- ❖ budget estimates;
- ❖ risk assessment;
- ❖ leadership, motivation, and team building.



- Schwabe, K., (2014), Information Technology Project Management with CD ROM, ISE
- Pearlson, (2013), Strategic Management of Information Systems



- Case Study/Article Related to Project
- Team Selection and Issues
- Case Study/Article Related to WBS and Issues



DELIVERABLES

Date	Activity
Oct 17	Download PMBOK (A Guide to the Project Management Body of Knowledge latest version)
Oct 24	Reading Assignments: (Individual)
(Possible websites: Proquest, Science Direct, ICCRD.org ICIAS.org IEEE)	Read 3 Research Articles from a Published Journal (2018-present) related to your IT Research Topic: <ul style="list-style-type: none">➤ Risk Management in Software Projects➤ Best Practices on IT Project Management➤ Learning Analytics➤ Academic Analytics➤ Predictive Model



DELIVERABLES

Date	Activity
<p>(Possible websites: Proquest, Science Direct, IJFCC.org,IJLT.org, IJET.org ICCRD.org ICIAS.org IEEE)</p>	<p>Reading Assignments: (Individual)</p> <p>Read 3 Research Articles from a Published Journal (2018-present) related to your IT Research Topic:</p> <ul style="list-style-type: none">➤ Agile Software Development Framework➤ Cloud Computing➤ Data Mining➤ Data Warehousing➤ Database Administration➤ Knowledge Management➤ Data Analytics➤ Decision Support System➤ Executive Information System



DELIVERABLES

Date	Activity
	<p>Presentation of the Annotated Bibliography based on the 3 Research Articles from a Published Journal (2018-present) related to your IT Research Topic</p> <p>Compile the original articles/manuscripts and save them in the cloud drive with Table of Contents and List of References ; share links of the drive</p>



DELIVERABLES



Date

Activity

Dec 5-12

Submission 1: Company Profile
(by Group)

**Independent
Study**

Submission 2: The Business Case
(by Group)

Submission 3: The Project Charter
(by Group)

DELIVERABLES



Date

Activity

Dec 12-19

Submission 4: Scope Management Plan

Submission 5: Work Breakdown Structure (WBS)

Submission 6: Project schedule and Budget

Independent Study

DELIVERABLES



Date	Activity
Jan 14	Synchronous Online Examination – bring your own laptop with pocket wifi
Jan 16-23 Independent Study	Submission 7: Risk Management Plan Submission 8: Project Communication Plan Submission 9: IT Project Quality Plan

DELIVERABLES



Date	Activity
Jan 23-30	<p data-bbox="494 596 1779 782">Submission 10: Project Procurement and Outsourcing Plan</p> <p data-bbox="494 903 1804 982">Submission 11: Implementation Plan</p>

DELIVERABLES



Date	Activity
Feb 6-13	Group Project Presentation Submission of the complied group Project PM Plan 1-11 (ring bind)
Feb 20-27	Submission of 5 page 2 col. Personal Research Project Proposal Using Association of Computing Machine (ACM) Format with Compiled 10 Journal Articles Reviewed on your Chosen IT Research Proposal (ring bind)

Thank you
for your
Attention !
Q and A

