HKU BUSINESS SCHOOL
港大經管學院

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IIMT4601 – Information Systems Project Management

GENERAL INFORMATION

Lecturer: Dr. C K Lok
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Consultation: by appointment

Pre-requisites: IIMT2601 Management Information Systems
Co-requisites:
Mutually exclusive: COMP3404

Course Website: http://www.moodle.hku.hk

COURSE DESCRIPTION

This course examines the concepts, techniques, and activities related to information systems development projects. Teams of student will carry out projects that span the entire information systems analysis and design life cycle, including planning and scheduling, cost estimation, risk analysis, team organization, process management and quality assurance. In the process students will become familiar with the use of computer-based tools and managerial techniques used in information systems development projects.

COURSE OBJECTIVES

1. Enable students to critically understand the success factors of IS project planning, design, development, assessment, and quality assurance.
2. 2. Equip students with soft and technical IS project management skills so as to contribute as a client, project team member or leader.
3. 3. Train students to communicate effectively in both languages of end-users and technical personnel to successfully deliver IS projects.

FACULTY LEARNING GOALS (FLGs)

FLG1: Acquisition and internalization of knowledge of the programme discipline
FLG2: Application and integration of knowledge
FLG3: Inculcating professionalism and leadership
FLG4: Developing global outlook
FLG5: Mastering communication skills
FLG6: Cultivating leadership

COURSE LEARNING OUTCOMES

Course Learning Outcomes		Aligned Faculty Learning Goals (FLGs)
CLO1	Describe the success factors of IS project planning, design, development, assessment, and quality assurance	FLG1, 2, 3 & 6
CLO2	Work effectively in IS project and contribute as a client, project team member or leader	FLG1, 2, 3 & 6
CLO3	Communicate effectively in both languages of end-users and technical personnel in order to successfully deliver an IS project	FLG1, 2, 3, 5 & 6
CLO4	Apply the best practices around the globe of effective IS project management	FLG1, 2, 3, 4 & 6

COURSE TEACHING AND LEARNING ACTIVITIES		
Course Teaching and Learning Activities	**Expected contact/self-study hour**	**Study Load (% of study)**
T&L1. **Lectures**: Key concepts and knowledge will be thoroughly discussed in-class.	36	30
T&L2. **Group project**: Students are required to conduct audit planning, risk assessment or review internal controls, etc. and propose recommendations for an organization.	78	65
T&L3. **Student participation**: Students are expected to actively contribute their views, ideas, and opinions.	6	5
Total:	120	100%

Assessment Methods	**Brief Description**	**Weight**	**Aligned Course Learning Outcomes**
A1. Group Project Report	This is a team-based assignment. Students are required to deploy both languages of end-users and technical personnel in order to successfully deliver an IS project.	16%	1, 2, 3 & 4
A2. Group Project Presentations	Students are required to present their group project in project presentations.		1, 2 & 3
	▪ Interim presentation(s)	8%	
	▪ Final project presentation	12%	
A3. Group Project Proposal	Each group will need to submit a proposal for the approval of the topic before carrying out the project.	4%	1 & 2
A4. Self-reflection report *(individual)*	Each student is required to submit an individual self-reflection report on what has been learned.	15%	1, 3 & 4
A5. Student Participation *(individual)*	Each student is expected to actively contribute and share their views, ideas, and opinions whenever appropriate.	20%	1 & 3
A6. Group Project Contributions *(individual)*	Each student is required to actively and significantly contribute to all of the components of the project work as a whole *(A1 – A3 above)*. The contributions are to be assessed with reference to the group's overall group project performance while subject to the *peer-evaluation* performance.	25%	1, 2, 3 & 4
	Total	**100%**	

STANDARDS FOR ASSESSMENT	
Course Grade Descriptors	
A+, A, A-	Student has consistently demonstrated an excellent grasp of information systems project management as evidenced by exceptional performance in analysis and synthesis of student work.
B+, B, B-	Student has demonstrated a substantial grasp of information systems project management as evidenced by above average performance in analysis and synthesis of student work.
C+, C, C-	Student has demonstrated a fair grasp of information systems project management as evidenced by average performance in analysis and synthesis of student work.
D+, D	Student has demonstrated limited grasp of information systems project management as evidenced by barely satisfactory performance in analysis and synthesis of student work.

F	Student has demonstrated very limited grasp of information systems project management as evidenced by poor performance in analysis and synthesis of student work.

COURSE CONTENT AND TEACHING SCHEDULE (TENTATIVE)		
Week	**Topic**	**Remark**
1	Introduction Fundamentals of IS Project Management (I)	
2	Fundamentals of IS Project Management (II)	
3	*Interim Presentations (I)*	
4	*Guest Lecture*	
5	Initiating, organizing and preparing IS Projects (I)	
6	Initiating, organizing and preparing IS Projects (II)	
7	***Reading Week***	
8	Initiating, organizing and preparing IS Projects (III)	
9	*Interim Presentations (II)*	
10	Initiating, organizing and preparing IS Projects (IV)	
11	Executing, Managing and Wrapping Up IS Projects (I)	
12	Executing, Managing and Wrapping Up IS Projects (II)	
13	*Final Presentations*	
14	*Final Presentations*	

REQUIRED/RECOMMENDED READINGS & ONLINE MATERIALS

Text Book:

Information Systems Project Management: A Process Approach (2nd Edition) by Christoph Schneider, Mark A. Fuller, Joseph S. Valacich, Joey F. George, Prospect Press, 2020

Supporting materials can be downloaded from Moodle when available.

Optional Reference Books:

1. Information Systems Project Management (1st Edition) by Olson D. Louis, Business Expert Press, 2015
2. Project Management for Modern Information Systems by Brandon D. IRM Press, 2006
3. Introduction to Information Systems Project Management (2nd Edition) by Olson D. Louis, McGraw-Hill, 2004
4. Information Systems Project Management: How to Deliver Function and Value in Information Technology Projects (2nd Edition) by Hallows Jolyon, AMACOM, 2005
5. Project Management for Information Systems (5th Edition) by James Cadle and Donald Y.Harlow, Prentice Hall, 2008
6. Information Systems Project Management by Avison, D. E and Gholamreza Torkzadeh, SAGE Publications, 2008

MEANS/PROCESSES FOR STUDENT FEEDBACK ON COURSE

Student Feedback of Teaching and Learning (SFTL)

COURSE POLICY

- Attendance of all lectures is not mandatory but strongly encouraged.
- Plagiarism and copying of copyright materials are serious offences and may lead to disciplinary actions. For detailed procedures related to plagiarism, please refer to the URL: http://www.hku.hk/plagiarism/page2s.htm

ADDITIONAL COURSE INFORMATION

Late Penalty

All assessment tasks must be submitted on or before the specified due date and time to the designated submission destination. The penalty policy for any late assignments will be as follows:

No. of days later than the due date	Deduction of the total point
1 day	deduct 25%
2 days	deduct 50%
3 days	deduct 100%

ASSESSMENT RUBRICS

A1: Group Project Report

Objectives

Each group will develop a project by applying the knowledge and abilities that you have learned through the Information Systems major, and to learn and demonstrate good IS project management knowledge and expertise. Each group will need to submit a proposal for the approval of the topic before carrying out the project (*details are to be advised in due course)*.

Students are required to:

- form groups;
- develop a project with one of the following types:
  - Information systems or software development for an organization;
  - Software application innovation; and
  - Information systems research project.

The group project will be used to assess students' ability to (1) apply the knowledge and abilities that you have learned through the Information Systems major as far as possible; (2) demonstrate independent, critical, and relevant extended research; (3) deploy both languages of end-users and technical personnel in order to successfully deliver an IS project; and (4) demonstrate your information systems project management knowledge and expertise.

The report is expected to be thorough, precise, clear, fluent, and consistent. The report must be highly coherent and structured with both breadth and depth. Sufficient, relevant, and reliable facts/data/evidence should be used to support analyses/arguments/discussions/claims. Appropriate concepts/techniques/examples should be employed to illustrate your ideas. The developed information system must be feasible and implementable with an insight into the business environment.

The final report must be a formal document with a length of 30 – 40 pages *(excluding cover page, appendices, references)*. The report should be typed, in A4-size paper, 1.5 spacing and font size 12. Proper citations are emphasized by the University (https://libguides.lib.hku.hk/c.php?g=939570&p=6802245).

Performance Level	Assessment Rubrics for Group Project Report
Outstanding	All key requirements are identified, with insightful and detailed analyses and design, sufficient supported with relevant data/facts, effective application of concepts and theories, well thought-out and robust system implementation and comprehensive evaluation, and excellent writing.
Proficient	Most of the key requirements are identified, generally insightful and detailed analyses and design, appropriate use of relevant data/facts, moderate application of concepts and theories, generally good system implementation and evaluation, and decent writing.
Competent	A few key requirements are identified, somewhat insightful and detailed analyses and design, insufficient use of relevant data/facts, limited application of concepts and theories, mediocre system implementation and evaluation, and marginally acceptable writing.
Adequate	Minor requirements are identified, with weak analyses and design, insufficient use of relevant data/facts, weak application of concepts and theories, mediocre and infeasible system implementation and evaluation, and unacceptable writing.
Fail	Incorrect requirements identified, with unacceptable analyses and design, buggy or incomplete system implementation, and unacceptable writing.

A2: Group Project Presentations

Students are required to present their group project in project presentations.

Performance Level	Assessment Rubrics for Group Project Presentations
Outstanding	The presentation is excellent, well organized, clear, fluent, with smooth progression of ideas, effective use of presentation aids, and appropriate length, pace and tone. The presentation group skilfully engages the audience and demonstrates a consistently high level of creativity, confidence, and enthusiasm.
Proficient	The presentation is well organized, coherent, generally effective use of presentation aids, and appropriate length, pace and tone. The presentation group is generally able to engage the audience and demonstrates a high level of creativity, confidence, and enthusiasm.
Competent	The presentation is organized, moderately clear and fluent, with appropriate use of presentation aids. It is more or less of an appropriate length, pace and tone. The presentation group shows adequate effort to engage the audience and show a moderate level of creativity, confidence, and enthusiasm.
Adequate	The presentation is organized, fairly clear and fluent, with an attempt to use of presentation aids. It is more or less of an appropriate length, pace and tone. The presentation group attempts to engage the audience and show a low level of creativity, confidence, and enthusiasm.
Fail	The presentation is poor and not well-organized, unclear and not fluent with smooth progression of ideas, ineffective use of presentation aids, and inappropriate length, pace and tone. The presentation group makes little effort to engage the audience and demonstrates very low level of creativity, confidence, and enthusiasm.

A3: Group Project Proposal

Each group will need to submit a proposal for the approval of the topic before carrying out the project *(details are to be advised in due course)*.

A4: Self-reflection Report *(individual)*

Each student is required to submit an individual self-reflection report on what has been learned *(details are to be advised in due course)*.

A5: Student Participation *(individual)*

Active student participation is emphasized in this course. Students are expected to contribute and share their ideas/thoughts/experiences whenever appropriate to achieve active and peer learning *(details are to be advised in due course)*.

A6: Group Project Contributions *(individual)*

Each student is required to actively and significantly contribute to all of the components of the project work as a whole *(A1 – A3 above)*. The contributions are to be assessed pro-rata with reference to the group's overall group project performance while subject to the *peer-evaluation* performance.

END