



Unit Title	Risk and Project Management (blended)
FHEQ Level	Level 6
Unit Code	CYS20302
Credit Value	15
Unit Type	Subject

Learning Hours (Blended)			
Staff – Student Contact Hours		Independent Study Hours	
Classes	30	Independent study	90
Supervised access to Ravensbourne resources		Preparation for assessment	20
Total		150	

Unit Description

Projects play a key part in most of the organisations to manage and deliver identified goals. This module is designed to provide the theoretical and practical grounding for working in and leading projects. This unit will introduce students to core theories and methodologies of project management techniques. By evaluating a project of their choice, students will develop insights into application of various theories and their impact on project outcomes.

At the end of this module students will be able to identify the characteristics and role of projects in organisations, apply key theories and techniques of project management across the project lifecycle, including project definition, planning, execution and close-out

During the Project Management Process, students will also apply risk assessment techniques to identify potential risks, their impact on the project and how to address them.

The unit also encourages students to develop cognitive, written and oral communication skills.

The Five Principles underpin the Mindsets and Skillsets Manifesto and are the foundation upon which all course curriculum frameworks and unit specifications are based. The relevant Principles as stated below have been mapped against the Learning Outcomes relevant to each course unit and at each level (see Programme Specifications for full description of the Five Principles):

1. Cultivate / Where the individual thrives.
2. Collaborate / Where disciplines evolve.
3. Integrate / Where education engages industry.
4. Advocate / Where purpose meets practice.

5. Originate / creativity meets technology.

Unit Indicative Content

Risk and Project Management

Industry-wide Knowledge

- Projects and Business Environment
- PM methodologies (Agile, Waterfall, Scrum etc.)
- Project Reporting and Execution
- Strategic models (Five Forces, PESTLE, SWOT Analysis)
- Stakeholders, Requirements, Planning, Estimation, Scheduling
- Resource Management
- Communications
- Internal and External Risk Management

CyBOK knowledge areas

- Risk Management and Governance

Unit Aims

1. To equip the student to work as an IT project manager using current industry techniques.
2. To develop familiarity with appropriate international standards in this field
3. To construct an appropriate quality and planning process for a target organisation.
4. To develop an appreciation of effective risk management

Unit Learning Outcomes

LO 1 Research/Inspiration

Select and evaluate information gathering techniques using a wide range of sources, providing visual, contextual and industry case-study research as appropriate.

Related Principle: ORIGINATE

LO 2 Concept/Ideation

Critically appraise and evaluate appropriate research materials to generate workable

concepts or strategic project themes that inform and underpin project development.

Related Principle: ORIGINATE

LO 6 Critical and creative mindsets Evaluate a range of critical approaches in order to form an independent position

Related Principle: ORIGINATE

LO 7 Employability

Effectively employ professional transferable and employability skills, including the ability to manage time and work to clear briefs and deadlines, respond to set goals, and communicate effectively.

Related Principle: CULTIVATE

Learning and Teaching Methods

This unit will be delivered using a combination of:

- Lectures / Seminars
- Online activities
- Self-directed independent study
- Peer learning, group discussion, guest speakers

Assessment methods and tasks

Assessment tasks	Weighting (%) <i>(one grade or multi-grade unit)</i>
A portfolio of practical outcomes which might include tests, experiments, research and development material and research log	50%
Group Presentation	50%

Indicative Assessment Criteria

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For a selected project you are familiar with, based on a case study or based on a new project proposal:

Critically evaluate applied project management techniques and alternatives. (LO2)

Identify / establish project aims, objectives and timeframes based on the chosen theme. (LO1)

Produce a comprehensive project management plan, milestone schedule and project schedule for monitoring and completing the aims and objectives of the project. (LO7)

Develop an appropriate Risk Assessment and mitigation plan. (LO7)

Evaluate the value of the project management process and use of quality research to meet stated objectives and support own learning and performance. (LO6)

Essential Reading list

Maley, Claude H. Project Management Concepts, Methods, and Techniques. CRC, 2012.

Pinto, J.K. (2015) Project Management: Achieving Competitive Advantage 4th Ed. Pearson.

Recommended Reading List

Graham, Nick, and Stanley E. Portny. Project Management for Dummies. For Dummies, 2015.

Dawson, C. (2016) Projects in Computing and Information Systems: A Student's Guide. UK: Pearson Education.

Further reading and resources may be identified in your Project Brief.