WM9B3-15 Agile Project Management & Consultancy

22/23

Department
> WMG

Level
> Taught Postgraduate Level

Module leader
> Mark Bonnett

Credit value
> 15

Module duration
> 2 weeks

Assessment
> Multiple

Study locations
> University of Warwick main campus, Coventry Primary
> Distance or Online Delivery

Description

Introductory description

Modern solution development, particularly for eCommerce applications, depends significantly on the practices of agile development and DevOps. Additionally, the success of such projects is dependent on successfully capturing, and delivering upon, the needs of the customer/end-users. In other words, such projects require developers and analysts to utilise consultancy skills such as requirements elicitation and soft systems thinking. As such, the module covers an important need in the overall eBusiness Management curricula, and the eCommerce & Digital Analytics specialism in particular, for students on a more technical pathway to gain experience in these key new technologies and approaches that are in high demand among employers.

Module aims

This module aims to explore the changes in modern software projects through a mixture of lectures, seminars, case studies, and hands-on lab sessions. The key themes will include:

- The agile methodology, DevOps and DataOps
- Version control systems (with GitHub)

- User story mapping
- Project planning and kanban boards
- System analysis
- Consultancy
- Digital analytics

The module will conclude with a hands-on, capstone project completed in teams. The project brings together all of these technologies and techniques to develop a full project implementation plan

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

- Project management for software development
- The agile methodology and DevOps
- User story mapping
- Requirements mapping
- Consultancy for eCommerce and Digital Analytics
- Data analysis for consultancy projects
- Project planning and kanban boards
- A practical simulation of the above topics.

Learning outcomes

By the end of the module, students should be able to:

- Demonstrate a comprehensive understanding of digital consultancy and project management concepts
- Critically evaluate software development lifecycle practices, and design conceptual and practical agile workflows
- Interpret and evaluate complex organisational problems and requirements
- Demonstrate a sound conceptual understanding of the forefront of digital consultancy practice and their application in real-world scenarios Critically evaluate the systematic and oper
- Critically evaluate the systematic and operational risks associated with digital transformations and develop comprehensive mitigation strategies

Interdisciplinary

A mixture of technology/computing topics and business topics

International

Topics are of high international demand

Subject specific skills

IT architecture, agile, DevOps, cloud computing, consultancy, soft systems

Transferable skills

Presentation skills, consultancy skills, research, teamwork, IT architecture, critical thinking

---

Study

Study time

Type	Required
Lectures	16 sessions of 1 hour (11%)
Seminars	14 sessions of 1 hour (9%)
Online learning (independent)	15 sessions of 1 hour (10%)
Assessment	105 hours (70%)
Total	150 hours

Private study description

No private study requirements defined for this module.

Costs

No further costs have been identified for this module.

Assessment

You do not need to pass all assessment components to pass the module.

Assessment group A1

	Weighting	Study time
Retrospective	20%	30 hours
A presentation demonstrating the work completed and reflecting on the project plan and how it can be improved		
Post Module Assignment	60%	45 hours
A business-style report discussing core topics in agile project management and consultancy		

	Weighting	Study time
Development of online project tools	20%	30 hours

Creation of online content via Kanban boards, wikis and other tools to support a project plan and chart development

Assessment group R1

	Weighting	Study time
Post Module Assignment	100%	

A business-style report discussing core topics in agile project management and consultancy

Feedback on assessment

Verbal feedback for in-module element. Written feedback and annotated scripts for post-module element

---

Availability

Courses

This module is Optional for:

- Year 1 of TWMS-H1S4 Postgraduate Taught e-Business Management (Full-time)