

Module Specification

1. Factual information			
Module title	TM471: The Telematics project CS	Level	3
Module tutor	TBA	Credit value	30
Module type	Project	Notional learning hours	8

2. Rationale for the module and its links with other modules

The objective of this module is to provide the students with the opportunity to apply the theoretical and the practical concepts they have learnt during the lower level courses to a real and tangible project. During their last year, students are required in this module to submit a project proposal consistent with the computer science track. They need to use the skills they have acquired in order to accomplish their presumptive proposal. Beside the deliverable and the assessments, each student has to submit a report that sums up the plan-do-review cycle of his/her work and has to present the findings in front of a faculty committee.

3. Aims of the module

On successful completion of this course, students will be able to:

1. Undertake practical projects to solve problems in the area of ITC.
2. Perform literature search on a selected topic of interest.
3. Apply what they have learnt to plan a project and develop a deliverable.
4. Produce project plans for successful undertaking of practical projects.
5. Write a detailed project report and communicate their ideas clearly.
6. Present their ideas and work formatively before an audience while progressing in their project.
7. Present their findings, outcome and deliverable before an audience

4. Pre-requisite modules or specified entry requirements

Normally, students are expected to have completed successfully module TM354 or TM366 or TM351 before they can undertake TM471.

5. Intended learning outcomes	
A. Knowledge and understanding	Learning and teaching strategy
<p>Upon completing this course, students will be able to:</p> <ul style="list-style-type: none"> A1. Demonstrate understanding of the fundamental technical concepts and principles relevant to their project A2. Apply a systematic approach towards the practical implementation of their project A3. Plan a project while preparing a detailed schedule of the project tasks and milestones for 8 months. 	<p>This module will give students skills and experience for individual contribution in a project. Students will be assigned project advisors who will guide the students during the project.</p> <p>Students will work closely with their project advisor and provide evidence of progress through:</p> <p>TMA Work (2 TMAs): 20% Preliminary presentation: 10 % Project Report: 40% Project Presentation: 10% Project deliverable: 20%</p>
B. Cognitive skills	Learning and teaching strategy
<p>Upon completing this course, students will be able to:</p> <ul style="list-style-type: none"> B1. Identify and refine the goals and content of their project B2. Identify, list and justify the resources, skills and activities needed to carry out the project successfully B3. Conduct a proper literature search. Gather, analyse and evaluate relevant information to complete the project successfully B4. Critically review how they have tackled the project 	<p>This module will give students skills and experience for individual contribution in a project. Students will be assigned project advisors who will guide the students during the project.</p> <p>Students will work closely with their project advisor and provide evidence of progress through:</p> <p>TMA Work (2 TMAs): 20% Preliminary presentation: 10 % Project Report: 40% Project Presentation: 10% Project deliverable: 20%</p>

C. Practical and professional skills	Learning and teaching strategy
<p>Upon completing this course, students will be able to:</p> <ul style="list-style-type: none"> C1. Plan and organize their project work appropriately, and keep systematic records of plans, progress and outcomes C2. Identify and address the ethical, social and legal issues that may arise during the development and use of Computing and IT systems C3. Analyse a practical problem and devise and implement a solution building on the knowledge and skills developed throughout their earlier OU studies and experience. C4. Provide a tangible solution by accomplishing their deliverable according to their project requirements. 	<p>This module will give students skills and experience for individual contribution in a project. Students will be assigned project advisors who will guide the students during the project.</p> <p>Students will work closely with their project advisor and provide evidence of progress through:</p> <ul style="list-style-type: none"> • TMA Work (2 TMAs): 20% • Preliminary presentation: 10 % • Project Report: 40% • Project Presentation: 10% • Project deliverable: 20%

D Key transferable skills	Learning and teaching strategy
<p>Upon completing this course, students will be able to:</p> <ul style="list-style-type: none"> D1. Make effective use of a variety of information sources, including the internet, e-library and demonstrating awareness of the credibility of the source D2. Communicate information, ideas, problems and solutions clearly D3. Learn independently and reflect on what has been done, with a view to improving skills and knowledge D4. Present their work in a professional manner while addressing the audience in the domain. 	<p>This module will give students skills and experience for individual contribution in a project. Students will be assigned project advisors who will guide the students during the project.</p> <p>Students will work closely with their project advisor and provide evidence of progress through:</p> <ul style="list-style-type: none"> • TMA Work (2 TMAs): 20% • Preliminary presentation: 10 % • Project Report: 40% • Project Presentation: 10% • Project deliverable: 20%

6. Indicative content.

Students are able to select a topic that meets their own experience and background. They are expected to work independently on the project and submit a project report, demonstrate a project deliverable and do a project presentation.

7. Assessment strategy, assessment methods and their relative weightings

TMA Work (2 TMAs): 20%
 Preliminary presentation: 10 %
 Project Report: 40%
 Project Presentation: 10%
 Project deliverable: 20%

8. Mapping of assessment tasks to learning outcomes

Assessment tasks	Learning outcomes														
	A1	A2	A3	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2	D3	D4
TMA1			✓	✓	✓	✓		✓	✓	✓		✓		✓	
TMA2	✓	✓		✓	✓	✓	✓		✓					✓	
Preliminary presentation			✓	✓	✓		✓		✓	✓			✓	✓	✓
Project deliverable	✓	✓							✓	✓	✓	✓			
Project report	✓	✓	✓			✓		✓	✓		✓	✓	✓		
Project presentation	✓	✓				✓			✓	✓	✓	✓	✓		✓

9. Teaching staff associated with the module

Tutor's name and contact details	Contact hours
TBA	

10. Key reading list				
Author	Year	Title	Publisher	Location
Course adopted from OU, UK.				

11. Other indicative text (e.g. websites)				
https://lms.arabou.edu.kw				