

Full Title:	Engineering Practice 2
Language of Instruction:	English
Module Code:	ELTR E7012
Credits:	5
Valid From:	Semester 1 - 2014/15 (September 2014)
Module Delivered in	1 programme(s)
Module Description:	Practical application and Skills development.
Learning Outcomes:	
<i>On successful completion of this module the learner should be able to</i>	
<ol style="list-style-type: none"> 1. Appreciate the inter-relationship between all modules 2. Understand and apply electronic and electrical concepts. 3. Work to appropriate standards in a given time frame. 4. Apply skills gained in the Skills element in a competent manner. 5. Work independently and/or as part of a team in a project development environment. 6. Organise their time and workload. 7. Present and explain their work. 8. Use advanced Simulation and Measurement tools. 9. Understand aspects of the design/development process. 10. Manage the project development process. 11. Use Research and information gathering techniques efficiently. 	

Module Content & Assessment

Indicative Content

Project/application element

• Linear Circuit Analysis • Sensors • Electronic Systems • Embedded Systems 2. and Honesty of Endeavour

Skills element

Advanced Skills including MATLAB and Communications, honesty of endeavour

Lecturers from all modules will combine to:

• Select, develop and agree on projects and skills. • Align taught theory where appropriate to support project completion. • Organise documentation and materials. • Timetable appropriate skills. • Act as consultants for particular areas. • Support the student as necessary – Ordering components, Facilities Access, etc. • Develop and implement an appropriate Marking and Assessment Scheme. • Review Project specifications and operation.

Assessment Breakdown

%

Course Work

100.00%

Full Time

Course Work

Assessment Type	Assessment Description	Outcome addressed	% of total	Marks Out Of	Pass Marks	Assessment Date	Duration
Project	Quality Assurance	1,2,3,4,5,6,8	20.00	0	0	Every Second Week	0
Written Report	To defined standards	6,7,10,11	20.00	0	0	Every Second Week	0
Practical/Skills Evaluation	To defined standards	3,4,6,8	20.00	0	0	Every Second Week	0
Group Project	Team based	2,3,4,5,9,10	20.00	0	0	Sem 1 End	0
Other	Engineering Notebook, Attendance	1,3,6,7,9,11	20.00	0	0	Every Week	0

No Project

No Practical

No End of Module Formal Examination

Reassessment Requirement

Reattendance

The assessment of this module is inextricably linked to the delivery. Therefore reassessment on this module will require the student to reattend (i.e. retake) the module in its entirety.

Reassessment Description

This is a 100% module . In the case of failure, additional practical tasks or submission of augmented reports may be submitted for consideration by the Autumn Board.

DKIT reserves the right to alter the nature and timings of assessment

Module Workload & Resources

Workload: Full Time

Workload Type	Workload Description	Hours	Frequency	Average Weekly Learner Workload
Practical	Project element	6.00	Every Week	6.00
Practical	Skills	3.00	Every Week	3.00
Total Weekly Learner Workload				9.00
Total Weekly Contact Hours				9.00

This course has no Part Time workload.

Resources

This module does not have any book resources

Recommended Article/Paper Resources

Data Sheets

Other Resources

n/a: Moodle

Module Delivered in

Programme Code	Programme	Semester	Delivery
DK_EELES_7	Bachelor of Engineering in Electrical and Electronic Systems	3	Mandatory