

Module specification

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Module Code	ENG5B5
Module Title	Industrial Placement
Level	5
Credit value	120
Faculty	FAST
HECoS Code	101277
Cost Code	GAME

Programmes in which module to be offered

Programme title	Is the module core or option for this programme
BEng/MEng Aeronautical Engineering with Industrial Placement	core
BEng/MEng Automotive Engineering with Industrial Placement	core
BEng/MEng Mechanical Engineering with Industrial Placement	core
BEng/MEng Electrical and Electronic Engineering with Industrial Placement	core
BEng Renewable Energy and Sustainable Engineering with Industrial Placement	core

Pre-requisites

None

Breakdown of module hours

Learning and teaching hours	10 hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops	0 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
Total active learning and teaching hours	10 hrs
Placement / work based learning	600 hrs

Learning and teaching hours	10 hrs
Guided independent study	590 hrs
Module duration (total hours)	1200 hrs

For office use only	
Initial approval date	22/08/2022
With effect from date	September 2022
Date and details of revision	
Version number	1

Module aims

- To provide students with the opportunity to gain valuable experience of the engineering-related workplace via first-hand experience.
- To allow students to undertake a sustained period, embedded with a host employer, to work on one or more defined projects or goals.

The student will be expected to find and secure a suitable placement opportunity. The Industrial Placement will normally take place during the normal academic year, as if over the two normal University semesters. As such its duration should normally be in the region of 20-40 weeks dependent on working hours.

Module Learning Outcomes - at the end of this module, students will be able to:

1	Devise a plan of work in response to a recognised need in a working environment
2	Identify the role that an engineering professional can play in a defined project, or projects, in terms of their technical and professional skills
3	Apply engineering specific skills and knowledge to a defined project, or projects, in a working environment either as an individual or in a team
4	Work effectively to a plan and deliver upon the requirements of the workplace host
5	Reflect upon their experiences in a workplace setting in terms of their subject specific, and professional, knowledge and skills development

Assessment

Indicative Assessment Tasks:

This section outlines the type of assessment task the student will be expected to complete as part of the module. More details will be made available in the relevant academic year module handbook.

Assignment 1 is the Placement Specification, produced by the student. This must be submitted prior to placement being undertaken and include a signed placement agreement. This must be approved and agreed by both the WRL coordinator, placement supervisor and the placement mentor. This will detail the aims and plan for the placement. (word count – 1000)

Assignment 2 is a progress report, produced by the student before the end of the first semester (approximately halfway through the placement) and will document their work done so far and an updated placement plan. (word count – 3000)

Assignment 3 is a learning log, which will be a diarised record of the student’s activities and experience during the placement. This will also include comments and feedback from their mentor at the placement provider organisation. Students are expected to produce one entry every 3 to 4 weeks during placement. This will be assessed at the conclusion of the placement. (word count – 8000)

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1, 2	Coursework	Pass/Refer
2	3	Written Assignment	Pass/Refer
3	4, 5	Portfolio	Pass/Refer

Derogations

Learning and Teaching Strategies

Students will receive initial support and guidance, via introductory lectures and tutorial support/planning work for their placement. However, the majority of the module will take place whilst the student is with their host employer. Students will be allocated an academic supervisor, who will be their contact point at the University during the placement and will provide any additional support and guidance regarding the academic requirements of the student’s particular placement.

Indicative Syllabus Outline

There is no specific syllabus for the module as it is anticipated that the role and experiences of students undertaking this module are likely to vary with their chosen degree programme.

Indicative Bibliography:

Please note the essential reads and other indicative reading are subject to annual review and update.

Essential Reads

Engineering Industrial Placement Handbook, Glyndwr University

Other indicative reading

Belbin, M. (2009), *The Belbin Guide to Succeeding at Work*. London: A&C Black.

Cottrell, S. (2021), *Skills for Success: Personal Development and Employability*. 4th ed.

Basingstoke: Palgrave Macmillan.

Employability skills – the Glyndŵr Graduate

Each module and programme is designed to cover core Glyndŵr Graduate Attributes with the aim that each Graduate will leave Glyndŵr having achieved key employability skills as part of their study. The following attributes will be covered within this module either through the content or as part of the assessment. The programme is designed to cover all attributes and each module may cover different areas.

Core Attributes

Engaged
Enterprising
Creative
Ethical

Key Attitudes

Commitment
Curiosity
Resilience
Confidence
Adaptability

Practical Skillsets

Digital Fluency
Organisation
Leadership and Team working
Critical Thinking
Emotional Intelligence
Communication