



2019-20 > Onwards (/ATT3035/2019-20)

ATT3035 (2019-20)

Engineering Study Skills

Credits

30

Level

Foundation Year/Access/FE

Type

Standard

Duration

1 Semester(s)

Trimester 3?

No

ECTS

15

Marking Scheme

Numeric mark scheme (i.e. mark of 0-100)

Pass Mark

40%, No Notes

Delivery Type

This Module requires you to attend particular classes or events at particular times and in particular locations.

Pre-Requisites

None Specified

Co-Requisites

None Specified

Barred Combinations

None Specified

Module Outline

The aim of this module is to provide you with the necessary learning skills required for studying the concurrent engineering modules on the programme and for progression onto an engineering degree course. Study Skills Strategies will be taught and student engagement with these techniques will be developed and monitored. Graduate attributes are the personal qualities and skills which the University of Bolton community

values and which a student is expected to develop during their time at the University. Graduate attributes act as a point of reference for a student's personal development and support the articulation of employability and transferable skills. This module seeks to support the student's personal development and confidence.

Taught (T), Developed (D) and Assessed (A).

Indicative Content

	Description
1	Note Taking for Engineers
2	Moodle Skills (such as plagiarism, submitting assignments, similarity scores and online quizzes)
3	Orthographic drawing & sketching
4	Maintaining a log book to record module activities
5	Experimental analysis in the laboratory
6	Using Excel for solving and presenting mathematical and engineering problems.
7	Report writing - Use of WORD to create a document containing words, graphics, tables, formulaes, engineering drawings
8	Engineering Research Skills - Library, Journals, Quantative, Qualitative, Primary, Secondary
9	Referencing
10	Project management and team work
11	Presenting with PowerPoint/Prezi
12	Study support using software
13	L.E.A.P. and H.E.A.R.

Learning Outcomes

	Description
1	Recognise when and where an analytical techniques are needed to solve engineering problem.
2	Assimilate information derived from lectures, reports, electronic resources etc. and identify key points of information.
3	Identify best practice in assessment.
4	Write concise informative reports based on information derived from a variety of sources.
5	Develop fundamental software skills to report and present Engineering solutions.

Learning And Teaching Strategy

This module is delivered via four 1 ½ hour sessions per week over 15 weeks. To complete the module successfully you must also allocate a substantial amount of independent study time. Sessions are short lectures, workshops, reflections, focus groups, role plays, seminars, Science-Technology-Engineering-Art-Mathematics (STEAM) initiatives, and flipped-classroom (student delivered) videos and other online engagement.

Learning & Teaching Methods

Method	KIS	Hours
Scheduled	Scheduled	135

Formative Assessment Strategy

Students will be given feedback on their coursework and portfolio ideas and drafts.

Summative Assessment Strategy

Coursework - Will be developed through assignment work such as written and verbal communications. Portfolio - These planned activities will be conducted via Moodle quizzes and other practical activities.

Summative Assessments

Assessment	KIS	Description	Learning Outcomes	Marking Scheme	Passmark	KIS Weighting
001 Set exercise	Coursework	Set exercises (written or online quizzes) to demonstrate understanding of concepts and techniques.	1 2 3	Standard University Regulations	-	60%
002 Report	Coursework	Written report	4 5	Standard University Regulations	-	40%

Learning Resources

Description

Office 2016 in easy steps by Michael Price (2016)

Orthographic Projection Simplified by Quinlan (1995)

Slide Rules: Design, Build, and Archive Presentations in the Engineering and Technical Fields by Traci Nathans-Kelly (2014)

Feedback to Students

Feedback tutorials will be timetabled each week and used to discuss formative assessments and themed coursework.