

Module Details	
Module Title	Scientific and Technical English
Module Code	BIC6004-A
Academic Year	2022/3
Credits	10
School	UoB International College
FHEQ Level	FHEQ Level 6

Contact Hours	
Type	Hours
Lectures	50
Directed Study	50

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Non-Standard Academic Year
BDA	University of Bradford / Semester 2
BDA	University of Bradford / Semester 3

Module Aims
<p>The module aims to develop students' ability to communicate effectively and appropriately within a scientific or technical context. This is achieved through a focus on how more advanced and developed study skills and an appreciation of the specialised vocabulary and scientific and technical language are deployed in studies within relevant fields.</p>

Outline Syllabus

The course has a language and skills development focus but also aims to engage students directly with their specific field of study. This is achieved by putting language and skills acquisition firmly in the context the students' wish to study effectively in the future. The value of the generic study is immediately enhanced for the student by context. It also focuses the student on issues of importance to his or her future studies by dealing with questions of sourcing and critical evaluation of material, use of library and VLE, research skills and methods and oral as well as written communication in a scientific and/or technical context.

Students learn about the scientific method and the importance of conveying information clearly and effectively with due regard to style, vocabulary and conventions appropriate to scientific or technical discourse. This will involve studying advanced texts and listening to lectures within their field and using critical and evaluative skills to draw from these salient points and key pieces of information. Writing up their summaries of information gleaned from texts and lectures provides opportunities for students to demonstrate an understanding of in-depth and the ability to provide clarity of exposition.

Oral communication skills are also developed with students working in groups towards set briefs on topics generating debate within their relevant subject areas. Students also develop their communication skills by considering the part written and oral communication plays within a scientific or technical workplace in terms of identifying and meeting requirements, negotiations skills, team-building and working as a member of a group, building relationships and networking.

Learning Outcomes

Outcome Number	Description
LO1	Evaluate the significance and importance of the style, vocabulary and conventions of communication in scientific or technical discourse.
LO2	Appraise the importance of coherent and logical communication in a scientific or technical context.
LO3	Critically analyse information relevant to a topic in their area of study in an informative manner.
LO4	Apply the conventions of oral discourse by participating in a discussion on contemporary issues within your chosen discipline.

Learning, Teaching and Assessment Strategy

Students will be taught this module in a group of up to 18. Teaching involves formal classes but there will be considerable emphasis on interactivity between teacher and students and between individual students within the group.

Delivery will be over a 10-week term with 5 contact hours per week. Students will be expected to spend a minimum of a further 50 hours in self-study, reviewing and consolidating material studied and skills acquired and preparing for their future classes, assignments and summative assessments: the coursework on aspects of the student's proposed field of study from the first half of the term, and the final group discussion.

Students are introduced to the style, format and conventions of scientific and technical communication and then demonstrate their learning by producing a summary of either a relevant text or a lecture on a relevant topic. Student progress will be closely monitored by both subject staff and each student's Personal Tutor. Personal Tutors will facilitate one-to-one sessions with students during which they are encouraged to reflect on their progress in meeting their objectives. This monitoring will provide tailored learner support in specific, identified areas for development. The ultimate aim is to build student confidence to the point where they will become independent learners.

Formative assessment will be provided through preparatory exercises and tests will be set during the programme. These formative assessments will not contribute to the final module assessment but will be marked and used to provide detailed feedback to assist the students to prepare for the coursework task and examination which contribute to the summative assessment.

For the summative assessment, students are assessed on the completeness and accuracy of their summary of key points and the effectiveness of their response to the need to produce work reflecting on the approaches, style and conventions they have studied. For the second element of the summative assessment, the students will work to a set brief in groups of four and engage in a discussion of a current issue within their field of study. The students are assessed on how well they fulfil the terms of their brief in making a summary statement and the effectiveness with which they engage in the subsequent discussion.

Mode of Assessment

Type	Method	Description	Weighting
Summative	Coursework - Written	Synthesis of summaries of relevant texts and/or lectures with a reflection of approach (1500 words)	50%
Summative	Coursework - Written	Participation in a group discussion on a topic relevant to the student's field of study (30 Mins)	50%

Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.