

Module Code:	SCI427
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Module Title:	Academic Study Skills and Personal Development
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Level:	4	Credit Value:	20
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Cost Centre(s):	GAFS	<u>JACS3</u> code:	F100
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School:	Applied Science, Computing & Engineering	Module Leader:	Dr Amiya Chaudhry
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Scheduled learning and teaching hours	36 hrs
Guided independent study	164 hrs
Placement	0 hrs
Module duration (total hours)	200 hrs

Programme(s) in which to be offered (not including exit awards)	Core	Option
BSc (Hons) Chemistry	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pre-requisites
None

Office use only

Initial approval: Mar 18 - validation of BSc Chemistry

Version no: 1

With effect from: Sept 18

Date and details of revision:

Version no:

Module Aims

- Develop students' academic skills to enable them to meet the requirements of study at H.E. in a variety of contexts.
- Develop the specialist study skills relevant to their course of study and professional aspirations.

Intended Learning Outcomes

Key skills for employability

- KS1 Written, oral and media communication skills
- KS2 Leadership, team working and networking skills
- KS3 Opportunity, creativity and problem solving skills
- KS4 Information technology skills and digital literacy
- KS5 Information management skills
- KS6 Research skills
- KS7 Intercultural and sustainability skills
- KS8 Career management skills
- KS9 Learning to learn (managing personal and professional development, self-management)
- KS10 Numeracy

At the end of this module, students will be able to

Key Skills

At the end of this module, students will be able to		Key Skills	
1	Utilise fundamental research skills, encouraging a critical approach to source materials and appropriately use sources as supporting evidence.	KS5	KS6
2	Integrate source material into a written assignment, developing a clear argument and referencing appropriately using the Harvard system.	KS1	
3	Review and understand qualitative and quantitative scientific data.	KS3	KS10
4	Apply mathematical methods for solving quantitative problems.	KS10	
5	Recognise learning styles, strengths and weaknesses. Record progress and reflect on experiences.	KS2	KS7
		KS9	

Transferable skills and other attributes

- Literacy
- Numeracy
- Time management
- Information management
- Team working

- Presentation skills

Derogations

N/A

Assessment:

Indicative Assessment Tasks:

Part 1: students will complete an assignment plan and introduction and will receive formative feedback that will inform the written assignment.

Part 2: students will complete in class numerical exercises.

Part 3: students will submit a reflective summary on the academic skills they have gained since joining the programme.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration (if exam)	Word count (or equivalent if appropriate)
1	1,2,3,4,5	Portfolio	100		4000

Learning and Teaching Strategies:

The module will be delivered using a variety of methods including lectures, tutorials, individual Professional Development Planning meetings and group based activities. Where relevant, students will be encouraged to become increasingly autonomous as they gain competence and confidence within their academic studies. Moodle will act as a repository for session materials.

Syllabus outline:

- Finding and analysing professional and academic literature
- Scientific writing, plagiarism and referencing
- Reading skills
- Thinking, reasoning and constructing critical arguments
- Essential maths skills
- Presentation and interpretation of numerical data
- Self-management
- Setting and mapping goals
- Working with others: methods and approaches to successful team working

Indicative Bibliography:

Essential reading

Cottrell, S. (2013), The Study Skills Handbook. 4th ed. Basingstoke: Palgrave Macmillan.

Other indicative reading

Burns, T. and Sinfield, S. (2016), Essential Study Skills: The Complete Guide to Success at University. 4th ed. Los Angeles: Sage.

Cottrell, S. (2011), Critical Thinking Skills: Developing Effective Analysis and Argument. 2nd ed. London: Palgrave Macmillan.

Glyndŵr University (undated) Glyndŵr Guide to Referencing Using the Harvard Method, Available from:

https://moodle.glyndwr.ac.uk/pluginfile.php/485031/mod_resource/content/1/Harvard%20Referencing%20Guide%20No.%2078.pdf