

MODULE SPECIFICATION FORM

Module Title: Academic and Personal Development	Level: 4	Credit Value: 20
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Module code: SCI411 (if known)	Cost Centre: GAAN	JACS2 code: X220
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Semester(s) in which to be offered: 1/2	With effect from: Oct 2009
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Office use only: To be completed by AQSU:	Date approved: August 2013 Date revised: - Version no: 1
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Existing/New: Existing	Title of module being replaced (if any):
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Originating Academic Department: Biology and Environment	Module Leader: Denise Wareham
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Module duration (total hours) 200	Status: core/option/elective Core (identify programme where appropriate):
Scheduled learning & teaching hours 50	
Independent study hours 150	
Placement hours	

Programme(s) in which to be offered: FdSc Animal Studies BSc (Hons) Equine Science and Welfare	Pre-requisites per programme (between levels): NA
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<p>Module Aims: Familiarise learners with the Higher Education culture. To develop and build on the key skills (logical, mathematical and critical) necessary for successful study in Higher Education. In particular the module will:</p> <ul style="list-style-type: none"> • build confidence in, and develop strategies for, independent studying and learning • direct students to the range of learning resources and develop their critical use of such resources

- develop and enhance the key mathematical and data handling skills required for studying science at University
- develop the generic and specialist study skills relevant to their course of study and professional aspirations

Expected Learning Outcomes:

Knowledge and Understanding:

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

1. Recognise learning styles, strengths and weaknesses. Record progress and reflect on experiences.
2. Relate ideas and arguments.
3. Appropriately reference work using accepted protocols.
4. Communicate effectively and efficiently using written, oral and visual methods
5. Review and understand qualitative and quantitative scientific data
6. Apply mathematical methods for solving quantitative problems.

Transferable/Key Skills and other attributes:

Study skills, writing skills, presentation skills, team-work, self-reflection, problem-solving, time management, numeracy, literacy and ICT skills.

Assessment:

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting	Duration (eg, if exam or presentation)	Word count (or equivalent if appropriate)
1	1 - 6	Portfolio	100%		4000

Portfolio

Students will submit a reflective portfolio of their work. Students will reflect on the academic skills they have gained since joining the programme. All assessed coursework will be retained to allow the student to consider how effectively feedback from assessors was actioned in subsequent coursework. From this, students will compile an action plan that reflects how they want to develop their skills for next year. The portfolio will include evidence of mathematical ability and a précis of a journal article.

Learning and Teaching Strategies:

The module will be delivered using a variety of approaches including lectures, tutorials, self-study, individual PDP meetings and group based activities. Where relevant, students will be encouraged to relate their learning to the requirements of their programmes of study.

Syllabus outline:

- Self-management
- Setting and mapping goals
- Problem solving and task management
- Working with others: methods and approaches to successful team working
- Self-reflection
- Recording achievement and documenting evidence
- Presentation skills
- Finding, analysing and referencing professional and academic literature
- Reading skills
- Thinking, reasoning and constructing critical arguments
- Scientific writing, plagiarism and referencing
- Essential maths skills for HE students – statistics – SPSS & Excel
- Presentation and interpretation of numerical data

Bibliography:

Essential reading:

Burns, T., Sinfield, S. (2012) *Essential Study Skills: The Complete Guide to Success at University*, New York: Sage Publications Ltd.

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

Glyndŵr University (2012) *Glyndŵr Guide to Referencing Using the Harvard Method*, Available from http://moodle.Glyndŵr.ac.uk/course/view.php?id=39%2F%22%20target%3D%22_blank%22. [Electronically accessed 13th February, 2013.]

Moore, S. (2010) *The Ultimate Study Skills Handbook*. Maidenhead: Open University Press

Other indicative reading:

Bolton, G., (2010) *Reflective Practice: Writing and Professional Development*, New York: Sage Publications Ltd.

Cottrell, S., (2010) *Skills for Success: Personal Development and Employability*, London: Palgrave Macmillan

Dytham, C., (2010) *Choosing and Using Statistics: A Biologist's Guide*, Chichester: Wiley-Blackwell.

Peck, J., Coyle, M., (2012) *The Student's Guide to Writing: Spelling, Punctuation and Grammar* (2nd ed.), London: Palgrave Macmillan

Pears, R., Shields, G., (2010) *Cite Them Right* (4rd ed.), London: Palgrave Macmillan

Stroud, K., Booth, D., (2009) *Foundation Mathematics*, London: Palgrave Macmillan

Web Based Resources:

Glyndŵr University (2012) *Moodle – Academic Support*, Available from <http://www.Glyndŵr.ac.uk/> [Electronically accessed 13th February, 2013.]

Southampton Solent University (2012) *Academic Support*, Available from <http://mycourse.solent.ac.uk/mod/book/tool/print/index.php?id=273> [Electronically accessed 13th February, 2013.]

MODULE SPECIFICATION FORM Module Title: Electronics, Design, and Testing Module code: (if known) ENG636 Cost Centre:
Semester(s) in which to be offered: Office use only: To be completed by AQSU: Existing/New: New Originating Academic area: Module
duration (total hours) Scheduled learning and teaching hours Independent study hours Placement hours 1 GAEE 200 48 152 6 Credit
Value: JACS2 code