Outline

• Earth Science Degree
  – Courses and Structure
  – Field Classes and Costs
• Assessment
  – GRC
  – Plagiarism
  – Deadlines
  – Exams
• Facilities
• Student Experience
  – Feedback
  – Contacts/Problems
• Prizes
EARTH SCIENCE DEGREE
Earth Science

- Earth Science (120 credits)
  - 3 x core ESci 20 credit courses (Sem 1)
  - 2 x core ESci 30 credit course (Sem 2)
  - No resits available (first sits in August if good reason)
  - Can fail individual courses and progress
  - Must obtain overall D3 (9) to progress to 4th year
    - Must attend L3 residential field class
  - Must obtain overall B3 (15) to progress to 5th year
    - Must attend L3 residential field class
  - Can leave after 3rd year with BSc degree
3rd Year ES Syllabus

• 20 credit core courses

SEMESTER 1
– Climates: Past and Future
  • Jaime Toney, Nick Kamenos
  • Exam (50%), Essay (50%)

– Hydrogeology and Environmental Geochemistry
  • Jaime Toney, Trevor Hoey, John MacDonald
  • Exam (50%), Data Report (50%)
  • RAVENSCRAIG, ALLANTON & WANLOCKHEAD FIELD CLASS
    (Monday 5th November)
3rd Year ES Syllabus

• 20 credit core courses

SEMESTER 1

– Geomorphology: Tectonics and Surface Processes
  • Cristina Persano, Martin Hurst
  • Numerical Model (50%), Report (50%)
3rd Year ES Syllabus

• 30 credit core courses

SEMESTER 2

– Geological Skills: Spatial, Numerical, Geophysical & Field Methods
  • Brian Bell, Daniel Koehn, Cristina Persano, Davie Brown
  • Map Exam (40%), Data Processing (30%), Stereonet model (30%)
  • FIELD CLASSES:
    – Corrieburn (1st March), Millport (8th March), Pitlochry (15th March)
3rd Year ES Syllabus

• 30 credit core courses

SEMESTER 2

– Quaternary Geoscience
  • Cristina Persano, Hannah Mathers
  • Exam (40%), Numerical Model (30%), Field Portfolio (30%)
  • MULL RESIDENTIAL FIELD CLASS (23rd-30th March)
4th Year ES Syllabus

• 1 x 40 credit core course

SEMESTERS 1 & 2
– Independent Earth Science Mapping Dissertation
  • “Summer mapping”
  • You MUST obtain a D3 in this course to qualify for BSc Honours

• 1 x 20 credit core course

SEMESTER 1
– Geological Hazards: Field Skills and Problem Solving
  • FIELD CLASS TO TENERIFE (NOVEMBER)
    – Cost in 2018-19: £260 & flights (to be purchased by student independently)
    – HALF BOARD (no lunch, water)
4th Year ES Syllabus

• 3 x 20 credit option courses

SEMESTERS 1 & 2
– Economic Minerals and Resources
– Engineering Geology
– Planetary Science
– Geography options
– Other options based on new staff hires
Degree Breakdown

- Third Year Overall Score (40%)
- Fourth Year Overall Score (60%)
- Overall Score
  - e.g. L3: 15.2; L4 – 16.3 = Overall 15.9 = 2.1 degree
Zone of Discretion

• Where the mean overall aggregation score falls within the ranges detailed below, the Board of Examiners shall have discretion to decide which of the alternative awards to recommend:
  – 17.1 to 17.9 either first or upper second class honours
  – 14.1 to 14.9 either upper or lower second class honours
  – 11.1 to 11.9 either lower second or third class honours
  – 8.1 to 8.9 either third class honours or fail

• The primary factor to be taken into consideration when applying the zone of discretion is:
  – *Overall aggregation score within the zone of discretion.*

• Secondary criteria:
  – *Preponderance (Number of credits at the higher class)*
    • Normally 60 credits or more of L4 courses obtained at grades greater than or equal to the degree class to which the upgrade is considered.
    • Strong L4 performance = 70 credits or more at the higher class.
    • Exceptional L4 performance = 80 credits or more at the higher class
  – *Exceptional extenuating circumstances.*
    • Officially documented exceptional factors during the honours years that cannot be taken into consideration in grading of individual courses.

• *Normally elevation to a higher degree class requires:*
  – *Within 0.5 points of the grade boundary (e.g. 17.5 to 17.9):* At least one of the secondary criteria to be satisfied.
  – *Within 0.7 points of the grade boundary (e.g. 17.3 to 17.4):* Both of the secondary criteria to be satisfied, or *preponderance* satisfied with strong performance.
  – *Within 0.9 points of the grade boundary (e.g. 17.1 to 17.2):* Both of the secondary criteria to be satisfied with *preponderance* satisfied with strong performance, or *preponderance* satisfied with exceptional performance.
5th Year MSci

- Independent Geoscience Research Project (60)
- Geoscience Communication (20)
- Analytical Methods in Geoscience (20)
- L5 Option(s) (20)
  - Geomatics and Water MSc course(s)
ES Field Classes and Costs

• Day
  – Lanarkshire (Hydrogeology & EG), Monday 5th November
  – Corrieburn (Geological Skills), Friday 1st March
  – Millport (Geological Skills), Friday 8th March
  – Pitlochry (Geological Skills), Friday 15th March
  – COSTS COVERED BY SCHOOL IN 2018-19

• Residential
  – Mull (Quaternary Geoscience), 23rd March-30th April, £200
    • Travel included, no flights required
    • SELF CATERING
Independent Mapping

• Co-ordinated by Davie Brown
• ES: minimum of 18 days, maximum of 21
  – Recommend book accommodation for 21 days
• Typically in groups, but work independently
• List of areas, selected Semester 1
• Base maps in Geological Skills classes
• Go mapping June-September
• Detailed lecture on Tuesday (18th), 9am
Independent Mapping Costs

• Summer Mapping
  – 3 to 4 weeks of accommodation recommended
  – Costs can be very variable
    • Cottage
    • Bunkhouse/hostel
    • Tent!

• Travel and food
ASSESSMENT
## What is required of you?

### Grade Related Criteria

<table>
<thead>
<tr>
<th>Description of work</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A+: Top First (I).</strong> Outstanding ability. Comprehensive and discriminating command of the entire subject, its concepts and principles. Exceptional knowledge of bibliographical sources. Exemplary ability in the collection, critical appraisal and interpretation of relevant data. Superior levels of innovation and originality in presentation, and the ability to produce novel interpretations of the data. Outstanding use of logical arguments and a logical framework. <strong>Outstanding performance.</strong></td>
<td>22</td>
</tr>
<tr>
<td><strong>A: First (I).</strong> Excellent ability. Wide command of the subject, its concepts and principles. Considerable knowledge of bibliographical sources. Considerable ability in the collection, critical appraisal and interpretation of data. High levels of innovation and originality in presentation, and the ability to produce novel interpretations of the data. Able use of logical arguments and a logical framework. <strong>Strong first class performance.</strong></td>
<td>20</td>
</tr>
<tr>
<td><strong>B: Upper second Class (II.I).</strong> Considerable ability. A close understanding of the subject, its concepts and principles. Clear knowledge of bibliographical sources. Ability in the collection and interpretation of a circumscribed range of data. Some critical appraisal of material. Demonstrates basic ability for innovation and limited novel interpretation of the data. Use of logical arguments leading to logical conclusions. <strong>An above average performance.</strong></td>
<td>17</td>
</tr>
<tr>
<td><strong>C: Lower second (II.II).</strong> Demonstrates competence. Adequate understanding of the subject, its concepts and principles. Some knowledge of bibliographical sources. Basic ability in the collection and interpretation of a minimally sufficient range of data. Limited critical appraisal of material. Some use of logical arguments leading to logical conclusions. <strong>Competent to adequate performance.</strong></td>
<td>14</td>
</tr>
<tr>
<td><strong>D:</strong> Third (III). Rudimentary level of competence. Partial understanding of the subject. Limited knowledge of bibliographical sources. Qualified ability to collect and interpret material from a non-comprehensive range of data. Non-critical reportage of material. Basic logical framework. <strong>Adequate performance.</strong></td>
<td>11</td>
</tr>
<tr>
<td><strong>E:</strong> Weak. Strictly limited competence. Restricted grasp of the subject. Basic to inadequate knowledge of bibliographical sources. Limited ability to collect and interpret material from a non-comprehensive range of data. Incomplete reportage of material. Lack of logical framework. <strong>Limited performance.</strong></td>
<td>8</td>
</tr>
<tr>
<td><strong>F:</strong> Poor. Appreciably deficient competence. Incomplete understanding of the subject. Little knowledge of bibliographical sources. Very limited ability to collect, and interpret material from a non-comprehensive range of data. Use of irrelevant material. No logical framework. <strong>Deficient performance.</strong></td>
<td>5</td>
</tr>
<tr>
<td><strong>G:</strong> Very poor or non-submission. Markedly deficient in nearly all aspects. Lack of understanding in content. Sources and literature essentially untouched. Incomplete and flawed use of limited range of data. No logical framework. Report almost valueless. <strong>Report almost valueless.</strong></td>
<td>2</td>
</tr>
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</table>
What is required of you?
Grade Related Criteria

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Reading

• Textbooks from L1 and L2 generally ok
• Possibly some new recommendations
  – typically e-books

• However, in Honours…
  – focus more on peer reviewed journal articles
  – up-to-date
  – controversial?
  – need to engage
Plagiarism - What is it?

Plagiarism: Copying what somebody else has written or taking someone else’s idea and trying to pass it off as original  

Encarta® World English Dictionary ©

Copying from somebody else’s work, includes copying from publications, web-sites, your granny, your best mate etc. We are assessing YOUR work; plagiarism is theft

All work must be either your own or the source of the work MUST be properly acknowledged

You are not allowed to self-plagiarise = submitting the same thing twice

What does the University do in cases of suspected plagiarism?

a) For students in first and second year the piece of work in question is investigated by the Head of School and Head of Learning and Teaching who meet with the student to discuss the case. The investigation may extend into other work that has already been assessed.

b) Outcomes may range from a warning about future conduct to award of zero for the piece of work or for individual courses.

c) The outcome of the investigation is reported to Senate.

d) For second offences, and students in third and fourth year, and all post-graduates, the matter is considered by Senate under the Student Code of Conduct.
**How do staff recognise plagiarism?**

A variety of ways... Essays and Reports are submitted through URKUND software, which can highlight similarity. Staff are “experts” in their field and you will find they recognise an amazing amount of the material you may have copied. Lab work, maps, etc can all yield unacceptable copying.

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**Is there an acceptable level of Plagiarism? No!**

A low similarity index in URKUND does not indicate an absence of plagiarism. The similarity highlights a potential problem.

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**Is copying worse than allowing your work to be copied? No!**

Both of these instances will be dealt with severely.

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**If I simply reference correctly large chunks of text that I have copied, I’ll be OK! No!**

The University awards degrees on the basis of the student’s own work. Staff will be judging your work, not your ability to copy correctly.

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**Is it true that all cases of plagiarism at honours and postgraduate level are referred to Senate? Yes!**

Irrespective of the level of the plagiarism and even if it is a first offence.

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*See School guidelines wrt appropriate referencing styles in Earth Science and Geography, also see Ch. 10 in Overton, T., Johnson, S. and Scott, J. 2011. Study and Communication Skills for the Chemical Sciences, ISBN 978-0-19-953968-0*
Managing Deadlines

• See Handout and Moodle
Deadlines

• Submit to drop box, Level 4 of GB
  – may be online or in class
  – may be East Quad for “Physical Geography” options
  – plagiarism form MUST be stapled to the front
  – all work must have Student Number on ALL sheets

• 10 am…..10.15 is late!!!

• Late work to be submitted to the office
Deadlines

• Document ALL absences (within 5 days of returning)
  – especially for late assessments
  – absence reporting via MyCampus!
  – **NOTHING** we can do retrospectively

• Good cause
  – notify of absence/missed assessment
  – assessed by School Teaching & Learning Committee
    • penalties, or not, decided as appropriate
Deadlines

• **PENALTIES:** 2 grade points (on the Honours 22 point scale) will be deducted, every working day or part of a working day thereafter

• “Work should be penalised at the rate of 2 Schedule A ‘aggregation points’ for each working day (or part day) by which it was submitted after the published deadline. This formula may be applied to a maximum of five working days; work submitted more than five days late should be awarded Grade H.”

• Mark of 13 (C2) – 1 day late = 11 (D1)
• Mark of 22 (A1) – 6 days late = 0 (H)
Exams

• December
  – Climates, Hydrogeology & EG

• May
  – Geological Skills, Quaternary Geoscience

• Download material from Moodle as it becomes available
Exams

• Important dates

- 2\textsuperscript{nd} November: Last day to meet with Disability Services to have exam arrangements in place
- 5\textsuperscript{th} November: Publication of exam timetable
- 5\textsuperscript{th}-14\textsuperscript{th} December: Exams
- 22\textsuperscript{nd} January: Results deadline

- 8\textsuperscript{th} March: Last day to meet with Disability Services to have exam arrangements in place
- 15\textsuperscript{th} March: Publication of exam timetable
- 22\textsuperscript{nd} April to 17\textsuperscript{th} May: Exams
- 11\textsuperscript{th} June: Results deadline
FACILITIES
Facilities: Gregory Labs

- We provide some basic facilities in 308
- MUST be kept tidy
- Use bins provided
- Keep food etc away from computers
- Look after it or you will lose it!
- Shared facility, but on occasion the 4th year may get priority access to computers for software purposes
Facilities: IT

- Gregory Rm 306 (if no classes are being held)
- East Quad (if no classes are being held)
- Library

- Use for University work
- Do not log in and leave
- Report abuse of facilities to Class Rep/Davie

- Communication via University email address
  - check regularly
STUDENT EXPERIENCE
A positive experience?

• Your views matter a great deal
  – Need to let us know problems so we can improve
  – Need to let us know good things so we can replicate

• You will get to complete lots of course questionnaires!
What’s good?

• Open doors policy

• A “home” in the workplace

• “You have the best Earth Science field training programme in the UK”
What might be better?

• Speed and quality of feedback/marking

• Assessment calendar on Moodle
  – *Timing, Type, % etc, Markers, Moderators*
  – *Return date (3 week turnaround)*
    • *Sometimes earlier after it’s pedagogically critical*
    • *Some work after 3 weeks*
      – *Due to field classes in marking period*
      – *Due to official holidays in marking period*
      – *Due to them being very large assessments*

• Marking sheets given out with assessment

• General feedback and stats given out too
Roles/Contacts & Problems

• Course Leader – course issues
• Your Adviser of Studies – pastoral issues

• Head of 3<sup>rd</sup> Year
  – Davie Brown
• Head of Earth Science and Geology Teaching
  – Cristina Persano
• Head of Teaching in GES
  – Simon Naylor (Geography)
Roles/Contacts & Problems

• Class Reps
  – Point of reference for students
  – Bi-weekly meetings with Davie
  – Student-Staff Liaison Committee Meetings (4 year)

• SRC Rep
  – tbc, schoolrep-geoearth@src.gla.ac.uk

• SRC, College/University official complaints
Roles/Contacts & Problems

• Counselling/Crisis
  – https://www.gla.ac.uk/myglasgow/counselling/
Prizes to aim for...

Mineralogical Society Prize
*Outstanding performance in mineralogy in the penultimate year of the Earth Science degree*

Sir Alwyn Williams Prize
*Outstanding performance in the penultimate year of the Earth Science degree*

Bryan Graves Trophy
*Awarded to the student who has completed the best overall piece of project work (normally based on field courses)*