



Redesigning Induction and Transition: Engaging Bioscience Students



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Background

Increasingly diverse student intake

Increased student numbers (doubled in 5 years)

Poor Year 1 retention (15% losses) and progression (~70%)

- Audit previously delivered induction programme
 - Use student feedback to design the extended induction programme
 - Incorporate elements of “Best Practice”
- To design an induction and transition programme that would engage and empower all students

The STAR Project Induction Audit

- Self scoring audit tool
- Compares current practice with best practice
- All aspects of induction and transition
 - prior to entry
 - induction
 - curriculum
 - student learning
 - academic support
 - staff student contact
 - administrative leadership

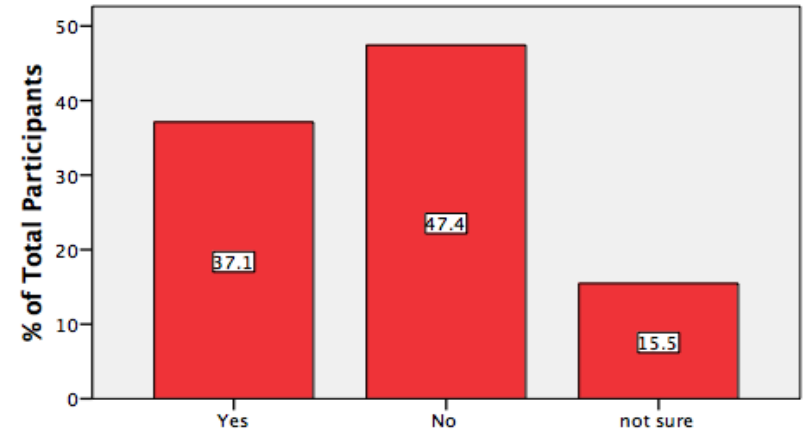
www.ulster.ac.uk/star/resources/induction_audit.doc

Student Feedback

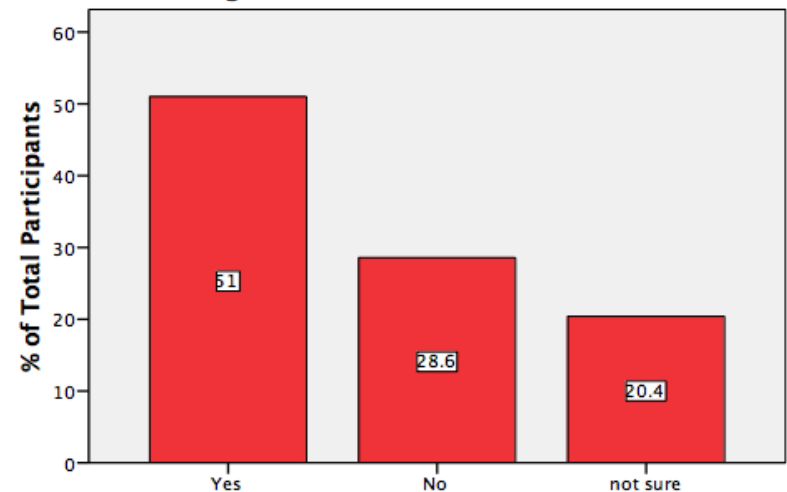
Questionnaire/Focus Groups

- Too generic
- Too much information
- Slow and boring
- Lack of social interaction
- Less repetition
- More subject specific
- More social activities
- Meet other students

Would You Have Liked To Receive More Information About the Course Prior to Induction Week ?



Would You Have Liked To Meet Fellow Students From Your Programme Before Induction Week ?



Actions Identified

- Early engagement
- Social integration and establishment of learning communities
- Student led/facilitated activities
- Campus/Department orientation
- Key skills delivered in a subject specific context
- Administrative processes
- Programme/institutional/support information
- Transition to independent learning environment
- Appreciation of academic obligation

Application Stage - BIORAMA

All applicants, parents, friends

- Campus/Department orientation
- Practical activities (lab based)
- Information and question sessions
- Staff and student guiders
- Student “interviews” (1:1)
- Careers information
- Subject guides/brochures



forensics dietetics biomedical science microbiology cell biology food bioscience
pharmacology human biology forensics dietetics biomedical science micro
cell biology food bioscience human biology forensics dietetics
biomedical science microbiology cell biology food bioscience
human biology forensics dietetics biomedical science microbiology cell bio

BIORAMA

Interested in a career in . . .

- Biomedical Science
- Forensics
- Pharmacology
- Cell & Molecular Biology
- Human Biosciences
- Teaching
- Human Nutrition & Dietetics
- Food Bioscience
- Microbiology
- Human Biology with Sociology & Psychology
- Medical Sales



Come and see for yourself on

Dates in 2009
Wednesday 7th October 2009 @ 6pm
(Pre UCAS application event. Find out about entry qualifications, personal statements and preparing to go to university to study bio sciences).

Dates in 2010
Tuesday 2nd February 2010 @ 6pm
Wednesday 10th February 2010 @ 6pm
Wednesday 24th February 2010 @ 6pm
Tuesday 9th March 2010 @ 6pm
Thursday 18th March 2010 @ 6pm

For anyone interested in going to university in **2010** this is an evening of hands-on practical experiments, quizzes and campus tours.

Numbers are **LIMITED***, so sign up **NOW** to secure your place.
*additional places are available for accompanying parents/teachers/friends.

e: f.macinnis@gcal.ac.uk
t: 0141 331 3718
w: www.caledonian.ac.uk/sls



GLASGOW
CALEDONIAN
UNIVERSITY

UOF made

- Welcome letter and email
- Invitation to join subject specific social sites
- Invitation to attend Induction drop in session
- Information regarding online registration
- First day of attendance information
- Any specific requirements – lab coat, etc
- Direct contact information - ME

Pre-Induction

Induction Drop-In

- All UOF students invited – personal invitation
- Programme Specific Induction Pack
- Meet and greet
- Staff and student guiders
- 6 sessions offered prior to Week 0

20% of registered students attended in Sept 09

17% of registered students attended in Sept 10

Pre-Induction - Wikis and Facebook

Development of programme specific pre-entry wikis and Facebook groups

- Online Induction Packs
- Programme specific social network sites – managed by student mentors/guiders
- Themed Vidcast and podcasts – campus/department orientation, student experiences, Top 10 Tips

Pre-Induction - Wiki

WELCOME

HUMAN BIO + SOC + PSY WIKI Subscribe Export Settings Permissions Widgets Attachments Page List

Visible to: LIFE SCIENCES INDUCTION COMMUNITY (LSS_ORG_L5IC) – All Leaders, All Organization Builders and 6 people... (more)

FOR STUDENTS ON THE HUMAN BIOLOGY WITH SOCIOLOGY AND PSYCHOLOGY PROGRAMME

WELCOME TO HUMAN BIOLOGY WITH SOC & PSY Edit | History | Lock | Delete

Edited by Julie Rattray on 6/5/2011 at 3:42 PM, GMT.
Tags: None (Edit)

Welcome to the Human Biology with Soc & Psy Wiki

- This Wiki contains information about the Human Biology with Soc & Psy programme.
- Choose from the menu of pages on the right hand side.



Pages (Edit)

- WELCOME TO HUMAN BIOLO
- Introduction to GCU Learn
- FAQ
- External Links
- Important People To Know

Tags
No tags

Page Contributors
Julie Rattray

Latest Activity

Jack Fisher updated "Important People To Know." 2 weeks ago, 6/9/2011

INFORMATION/FAQ/INTEREST

HUMAN BIO + SOC + PSY WIKI Subscribe Export Settings Permissions Widgets Attachments Page List

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FOR STUDENTS ON THE HUMAN BIOLOGY WITH SOCIOLOGY AND PSYCHOLOGY PROGRAMME

External Links Edit | History | Lock | Delete

Edited by Jack Fisher on 6/9/2011 at 10:49 PM, GMT.
Tags: None (Edit)

If you have a bit of spare time on your hands over the summer, here are a couple of resources you may find interesting and get the brain juices flowing.

Human Biology material:

The BBC recently aired a series called "Inside the Human Body". In these episodes it not only shows you a visual account of what happens internally on each episodes topic but gives you interesting accounts when sometimes things don't go to plan in the human body.

Creation : <http://www.youtube.com/watch?v=DSDDdvnU4A>
First To Last : <http://www.youtube.com/watch?v=hgzdsDFrNpY>
Building Your Brain : http://www.youtube.com/watch?v=W_w73detsTE
Hostile World : <http://www.youtube.com/watch?v=N4omTlwnUhw>
(The rest of the chapters of each episode should be to the right hand side of each page)

Below are a couple of links to a series of television shows involving Gunther Von Hagens 'Autopsy: Life and Death' which Channel Four showed a couple of years ago. Before anyone gets too freaked out, Von Hagens is a German anatomist who dissects bodies which are donated to him by the deceased. He uses a process called plastination to preserve the human body before studying it internally. However the main purpose of the video is that it gives a good perspective of the human body and it's organs. Often we talk about different parts of

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STUDENT VIDCASTS

HUMAN BIO + SOC + PSY WIKI Subscribe Export Settings Permissions Widgets Attachments Page List

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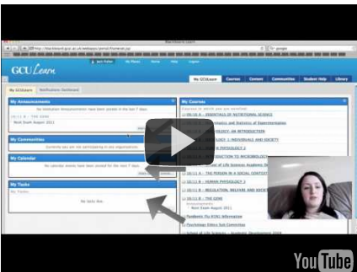
FOR STUDENTS ON THE HUMAN BIOLOGY WITH SOCIOLOGY AND PSYCHOLOGY PROGRAMME

Introduction to GCU Learn Edit | Lock | Delete

Edited by Jack Fisher on 6/5/2011 at 4:40 PM, GMT.
Tags: None (Edit)

Here is a quick 2 minute video showing you the basics of how to use "GCU Learn". If you have any further questions then feel free to contact one of us.

Best resolution for playback is fullscreen 720p .



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STAFF INFO

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FOR STUDENTS ON THE HUMAN BIOLOGY WITH SOCIOLOGY AND PSYCHOLOGY PROGRAMME

Important People To Know Edit | History | Lock | Delete

Edited by Jack Fisher on 6/9/2011 at 3:25 PM, GMT.
Tags: None (Edit)

Here are a list of the first year module leader's contact details and short summary of what we thought their module entailed.

Dr Julie Rattray



Email: j.rattray@gcu.ac.uk
Phone no. 0141 331 3204
Room C132

Year 1 Coordinator
Module Leader of Cells and Biomolecules 1 (CAB)
An in depth look into the structure and functions of eukaryotes, prokaryotes and viruses.

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Pre-Induction - Facebook

STUDENT VIDCASTS

GCU BIOSCIENCES YEAR 1 - 2010

Wall Info Discussions Photos Video Events

GCU BIOSCIENCES YEAR 1 - 2010's Videos 8 videos

View Comments

- HOW TO TAKE OUT A BOOK 0:46
- HOW TO USE THE COMPACT SHELVING 0:52
- ASSESSMENT 1:38
- COURSE INFORMATION 2:11
- BEST BITS AND WORST BITS OF YEAR 1 2:05
- HELP AND SUPPORT FOR YEAR 1 STUDENTS 2:26
- TOP TIPS FOR NEW STUDENTS 2:51

MENTOR FAQ

Topic: Human Biology With Psychology Modules

Displaying all 3 posts.

Jack Fisher
Hi, I am a Year 2 student for Human Bio with Psy and Soc. I know how you guys are feeling right now with starting your new courses and all the thoughts and maybe uncertainty in what may come your way in the up and coming weeks. So feel free to ask any questions about any specifics to do with modules you'll be undertaking in Semester A or B for example: What is the coursework like? What does the examination consist of? etc.

I can answer questions on modules:

- Human Biology
- Cells and Biomolecules 1
- Essentials Of Nutritional Science
- Psychology: An Introduction
- Sociology
- MSE

Also any questions about studying, lectures, labs, seminars or University life in general then I should be able to answer anything. I know when I started last year I wasn't too sure in how to take notes in seminars and lectures and what the difference was. I also was concerned about if there was a massive difference between school work level and university level and whether I will be able to cope. So basically any queries about anything I will try my best to answer it.

Any student from any course can ask questions but I will only be able to answer questions in relation to modules mentioned above as those are the ones I have sat.

GENERAL INFO

GCU BIOSCIENCES YEAR 1 - 2010

Wall Info Discussions Photos Video Events

Share: Status Photo Link Video Question

Write something...

Settings

Sharifa Mclean http://www.caledonianstudent.com/representation/content/704943/elections_referenda/

radio CALEY Glasgow Caledonian University Students' Association
www.caledonianstudent.com
Glasgow Caledonian University Students' Association University Students' Union online home, meet students and find out whats going on. Play games and view horoscopes. Advertise to students via our student marketing media.

April 5 at 11:27am · Like · Comment · Share

Sharifa Mclean Vote in the exam diet referendum today and make your voice heard xx
April 5 at 11:28am · Like

Sharifa Mclean click on the link beside my name and it will take you to the vote
April 5 at 11:28am · Like

DISCUSSION BOARD

maybe try on tues or wed - registry is not open this weekend - but is open next saturday
about 10 months ago · Delete Post

Pamster Gillespie
Thanks -I'll try next Tues then
about 10 months ago · Mark as Irrelevant · Report · Delete Post

Louise Nugent
Hi
Just wondering if there's any books we need to get and, if there is, will we get a book list?
Thanks :)
about 10 months ago · Mark as Irrelevant · Report · Delete Post

Megan Dunn
hiya my names megan im a 3rd year pharmacology student
at the start of each year you will receive a book list depending on the modules you are doing, not all are essential to buy only one or 2. I have only bought a few over the last two years.you should probably get the list out at the start of your first week.
The library has an extensive collection of books which we are able to use which is great for essay writing etc
hope this helps ... julie may be able to tell you exactly when you will receive the list though
about 10 months ago · Mark as Irrelevant · Report · Delete Post

Induction Week – First Contact

First Contact

- Departmental and Programme Welcome
- Core Year 1 staff and Academic Development Tutor
- Subject specific group activities – Bioethics activities, problem solving games
- Programme information – “Bite Size - Need To Know”
- Campus Orientation Quiz – with prizes !!
- Timetables
- Enrolment – student checks and matriculation
- Societies, student association and leadership

Induction Week – Academic Development

Academic Development

- Case studies
- Student expectations
- Student responsibilities
- Student commitment
- Student goals
- Student support

Student led activities

Student Commitment

As a student at GCU I am committed to:
Attending all my timetabled classes
Being organised
Making New Friends
Respecting deadlines
Being Punctual
Enjoying myself
Staying active
Doing all my reading
Good note-taking
Seeking help if I need it
This will help me be a successful student and get the most out of my programme of study
Signed –

Induction Week – Learning Skills

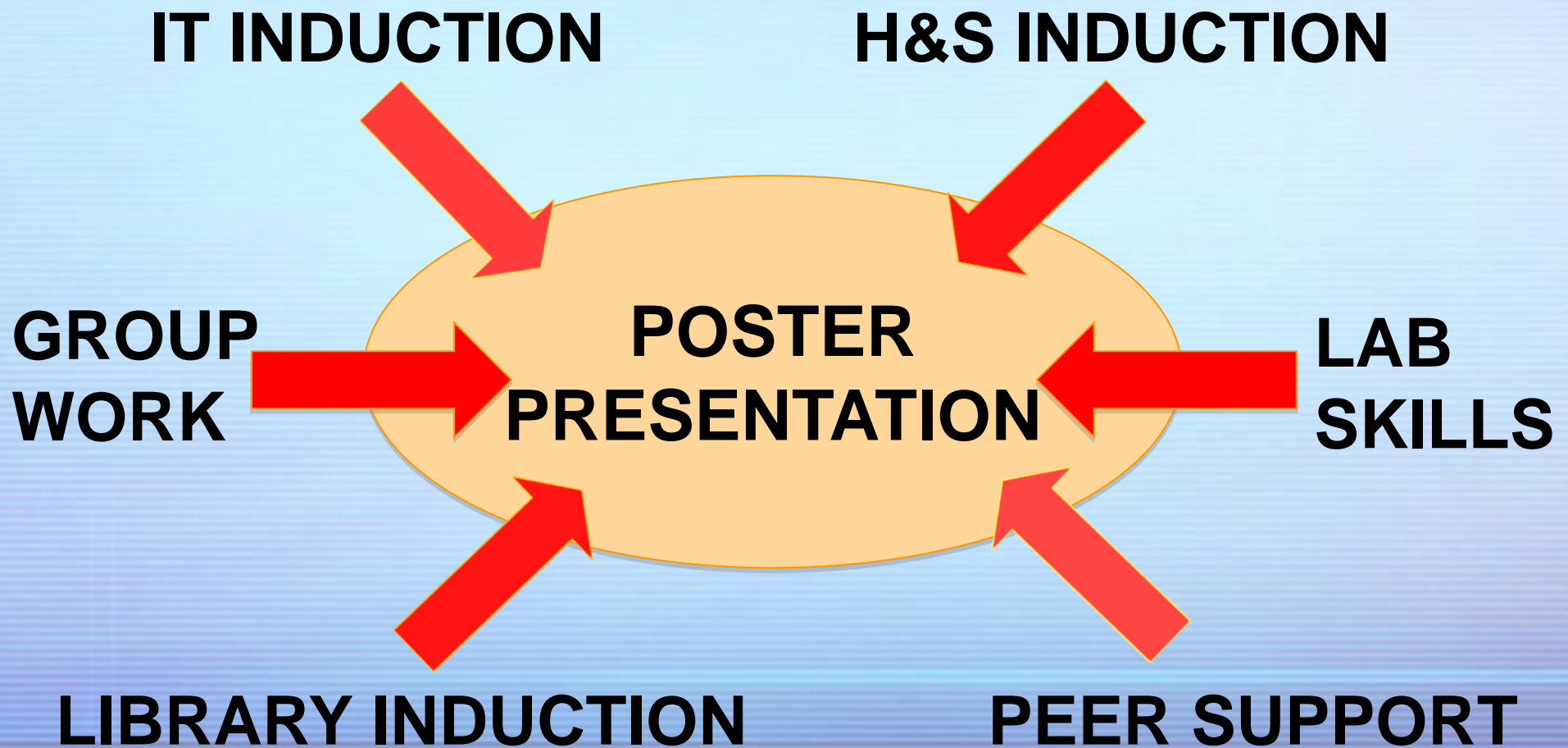
Learning Skills

- Library induction – 30 minute overview
- IT induction – 30 minute overview - login, email, VLE, setup problems
- Health and Safety – 1 hour - regulations, requirements and sign off.
- Lab skills session – lab familiarisation

Follow up subject specific worksheet/activities

Induction Week - Project

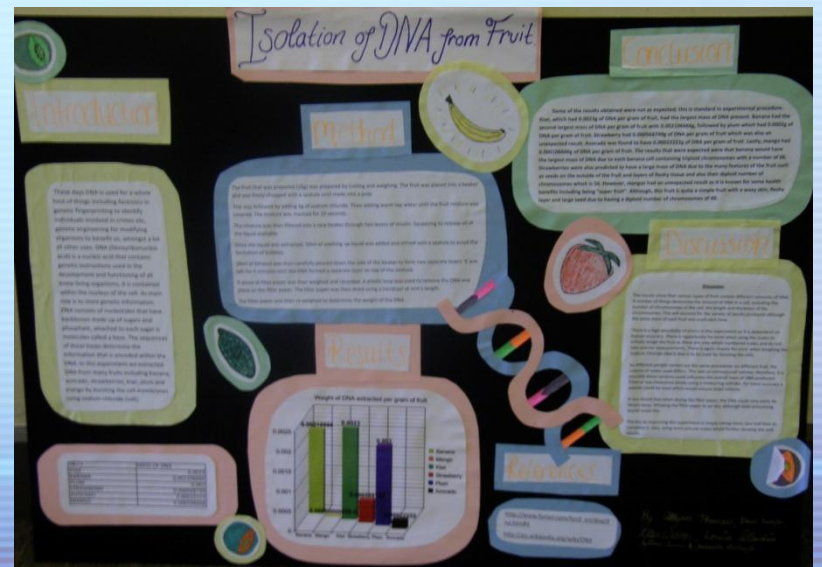
Lab based group exercise and poster presentation
Facilitated by student guiders/mentors



Induction Week - Project

- Investigative project
- Defined outcomes
- Simple experiment
- Data generation, analysis, presentation, reporting
- Group research
- Time management

Poster presented
Poster marked
Personalised feedback



Induction Week – Consolidation

Academic Advisor meeting

Organised meeting with academic advisor (1:1)

Induction Week Reflection – PDP file

Core information check – PDP file

Turning Point Quiz

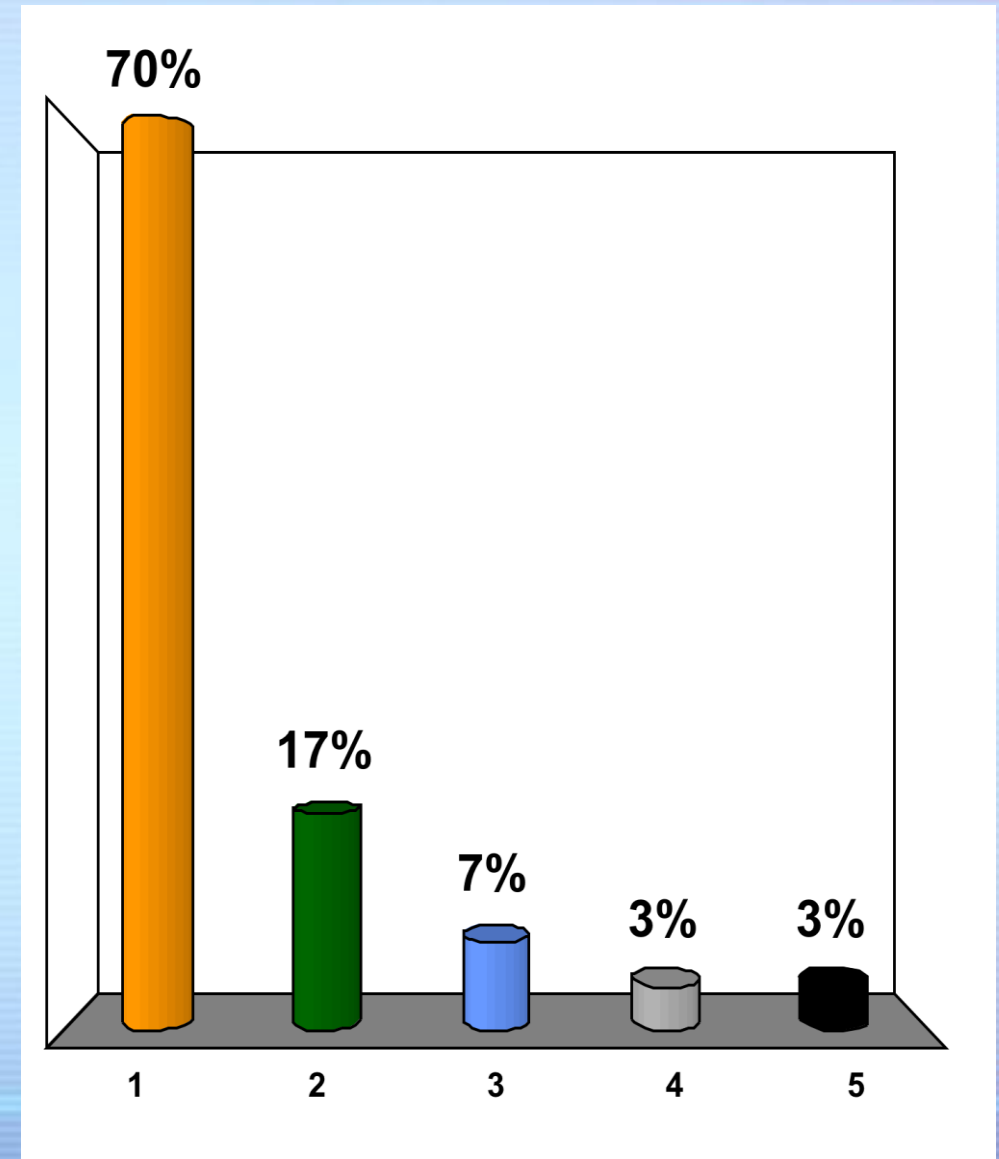
General class questions

Expectations

Subject specific questions

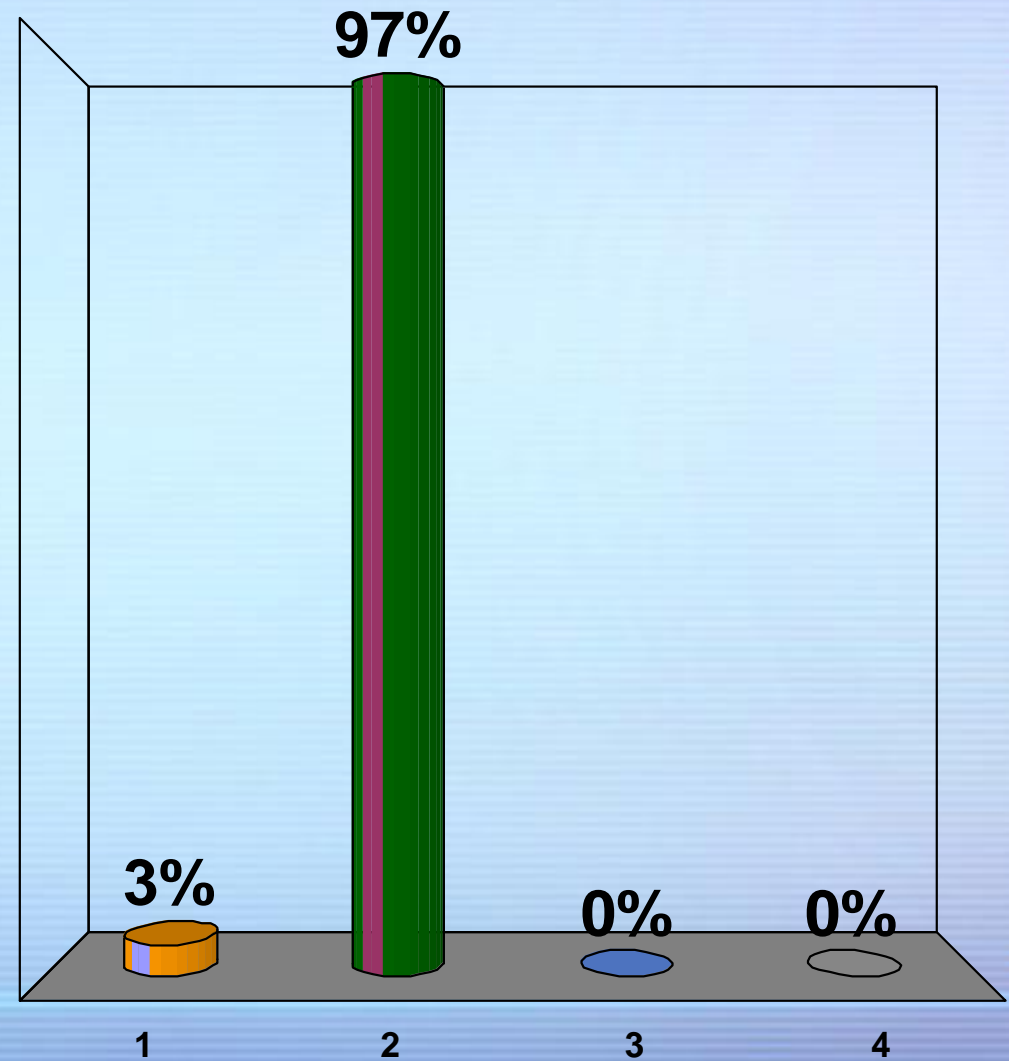
I come from

1. West of Scotland
2. East of Scotland
3. Northern Scotland
4. England/Wales
5. Overseas



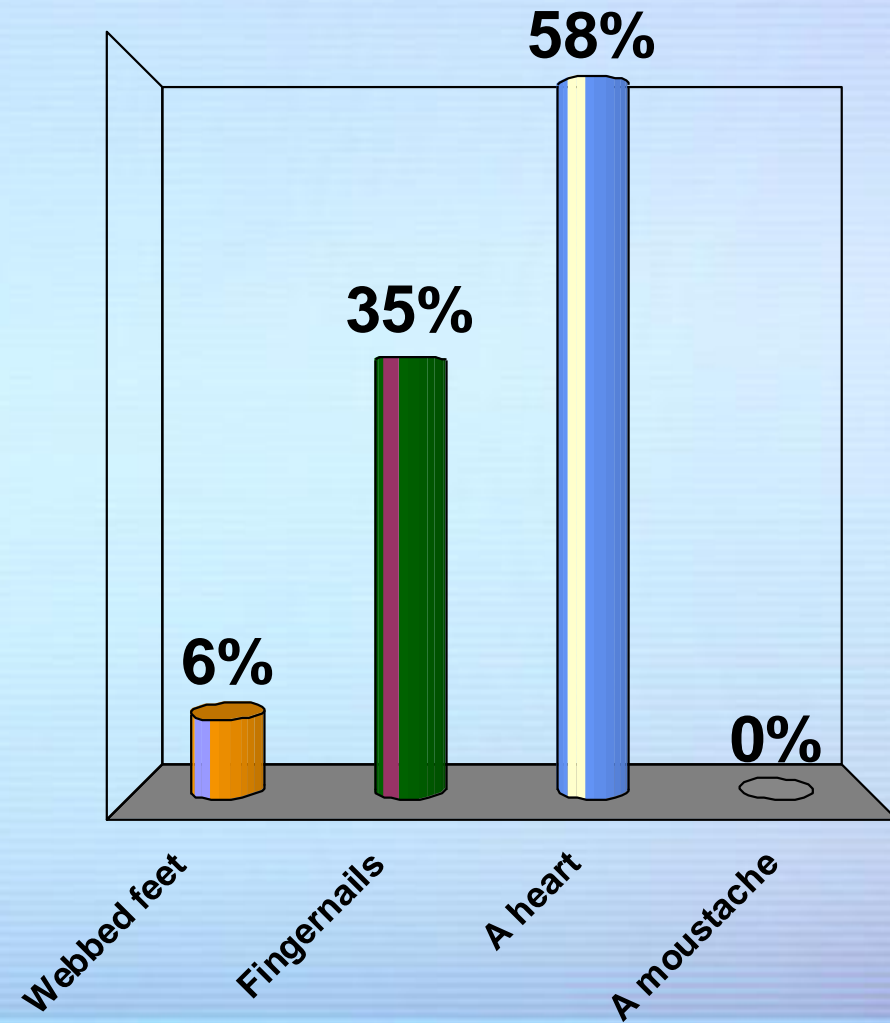
The number of hours I should spend on independent study each week is

1. 10
- ✓ 2. 20
3. 30
4. 40



Which of the following features is first present in the developing foetus at 4 months?

1. Webbed feet
2. Fingernails
3. A heart
- ✓ 4. A moustache



Curriculum Development

Introduction of Practical Skills Modules - Sept 2010

Key elements

- Integration of key skills into subject specific delivery
- Gradual assimilation of independent learning skills
- Portfolio of key skills – linked to subject specific goals
- Integration of Practical Skills modules, Personal Development Planning and reflective practice.

Progress

Positive student feedback

Improvement in student attendance

Student retention has improved

First diet module pass rates have improved

Academic Year	Number of Students	Withdrawal/ Time Out	First Diet Module Pass Rate		
05/06	117	17 (14%)	65	67	65
06/07	146	23 (16%)	58	67	80
07/08	151	16 (10.5%)	68	73	82
08/09	159	13 (8%)	79	70	89
09/10	182	10 (5.5%)	85	85	91

Considerations

- Continually evolving
- Engage students at onset
- Appreciation of subject and responsibilities
- Maintain momentum – now a key focus - challenge
- Student (peer) involvement crucial
- Staff involvement crucial

- University policy and provision

Thanks to

Dr Karen Keith – SLS Lecturer

Dr Alistair Corbett – SLS Senior Lecturer

SLS Academic Development Tutors

Support Staff at GCU

BIO Year 1 students

GCU Scholars Programme

GCU Moving Forward Initiative

