

Integrating Module Design, Gradebook and Marks Return through Moodle

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Electronic Management of Assessment Project

MyPlace based project to provide an institution-wide process and standard for:

- The storing of summative assessment marks, including exam marks;
- The application of a class assessment regime that generates a class total mark for each student;
- The return of these marks to the student records system.

Provides transparent information to students on their class marks and how they contribute to their final marks. Supports operational efficiency through removal of the marks return additional process.

Scope

- Replacement of processes and systems that have been identified as obsolete and are being deprecated or removed (e.g. VAX, in-house student records system).
- Standardise the representation of how a class total is calculated (class assessment regime).
- Implement the use of class assessment regimes to pre-configure class gradebooks in Myplace.
- Eliminate duplication / re-keying of assessment regimes and structures for classes.
- Design & implementation of Myplace features to allow the exchange of class total with SIMS.
- Design & implementation of Myplace features to allow the easy configuration of a class total calculation.
- Design & implementation of Myplace features to support the storing of summative activity marks.
- Design & implementation of necessary tools to migrate classes to use new features.
- Migrate all classes to use new Myplace features.

Issues - Moodle

- Time consuming to explain and set up
- Moodle gradebook calculations are quite brittle: reduce reliance on these

Issues - Assessment Regimes

CS995 – Introduction to Programming Principles

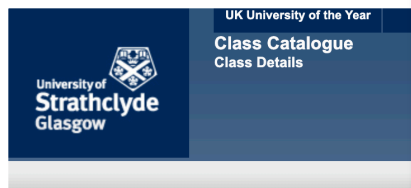
TIMETABLE TEACHING MATERIAL

Credits	20
Level	5
Semester	1
Prerequisites	N/A
Availability	Possible el

Contact

Assessment

Resit



Principles of Assessment and Feedback

(within Assessment and Feedback Policy at: <https://www.strath.ac.uk/staff/policies/>)

Assessment is given in multiple forms: in-class polling systems, self-assessed homework using structured problem solving & two class tests.

Immediate self-directed feedback through in-class polling systems
Written feedback from written homework within 3 weeks.
Written feedback from two class tests within 3 weeks.

Assessment Method(s) Including Percentage Breakdown and Duration

	Examinations				Co
	Number	Month(s)	Duration	Weighting	
	2	Dec & Apr/May	1.5 hrs each	40% S1 40% S2	2

L/Outcomes

LO3 & LO4

LO2

Indicate which learning outcomes (L01, L02 etc) are to be assessed by exam

Coursework / Submissions deadlines (academic weeks):

Advised on a regular basis through Myplace and in class.

Resit Assessment Procedures:

3hr resit examination in August diet.

PLEASE NOTE:

Students must gain a summative mark of 40% to pass the module. attempt will be re-examined during the August diet. This re-examination marks from any previous attempts will be transferred to a new resit attempt.

Type	Coursework	Assessment description & criteria	Problem solving exercise based on design of experiments for optimisation of a continuous process
Weighting	30%		
Expected			
Deadline Week	No		

Learning Objectives principally assessed

L Obj 1 Understand the basic concepts of Design of Experiments
L Obj 2 Perform calculations on data sets to determine the main effects of and interactions between factors

Transferable Skills / Cognitive Abilities principally assessed

L Out 1 Academic Skills - comprehension, analysis, synthesis and evaluation
L Out 2 Communication Skills - report writing
L Out 3 Analytical Skills - numerical calculations and drawing logical conclusions
L Out 4 Information Technology Skills - computer literacy
L Out 5 Teamwork/Collaboration Skills
L Out 6 Planning and organisation - independence, initiative and time management

Type	Final Examination
Weighting	60%

Learning Objectives principally assessed

L Obj 3 Perform calculations on data sets to statistically determine covariance and correlation coefficients
L Obj 4 Understand the need for multivariate analysis techniques for the examination of complex data sets
L Obj 5 Understand the basic principles behind PCA, and be able to deduce significant correlations from the loading and scores plots generated by PCA.
L Obj 6 Understand the basic principles behind multiple linear regression methods, principal component regression and partial least squares regression
L Obj 7 Identify which multivariate

Transferable Skills / Cognitive Abilities principally assessed

L Out 1 Academic Skills - comprehension, analysis, synthesis and evaluation
L Out 3 Analytical Skills - numerical calculations and drawing logical conclusions
L Out 6 Planning and organisation - independence, initiative and time management

regression techniques are best suited to examine complex data sets arising from chemical experiments

Type	Coursework
Weighting	10%
Expected	
Deadline Week	No

Assessment description & criteria

Lab Report

Issues - Assessment Regimes

- Blank gradebook challenge
- Different “classes” being taught in the same Moodle course, with different assessment regimes
- Incomplete module descriptions:
 - 30% coursework [...and ???]
- Vague terminology:
 - “Sufficient” attendance
- Overly complicated descriptions:
 - Each component will be marked out of 100%. If mark for Part C is in student’s favour (i.e. greater than weighted average mark for part A and B), overall mark will be computed from: $\text{Overall mark} = 0.7 \times (0.2 \times \text{Part A} + 0.8 \times \text{Part B}) + 0.3 \times \text{Part C}$ If mark for Part C is not in student’s favour (i.e. lower than weighted average mark for part A and B), overall mark will be computed from: $\text{Overall mark} = 0.2 \times \text{Part A} + 0.8 \times \text{Part B}$
- One class offers three assessment activities and allows the students to choose their own, individual weighting for each of those activities.

Component Categories

Coursework

- Assignment
- Blog (writing it)
- Case study (written based on written materials)
- Class test
- Essay (all types)
- Supervisor Report
- Response to Supervisor Report
- Report
- Self-Reflective Diary
- Test
- word assignment
- literature review
- journal article
- Quiz
- word critique/ Commentary
- Individual profile of entrepreneur
- Annotated Business Canvas

Exam

- Final Examination

Practical

- Presentation
- Poster
- Lab
- Practical Report
- WIKI (create)
- Information Poster
- Case Study (interviews, meetings, focus group)
- Poster Presentation
- Counselling research study
- Peer Marking (verbal feedback)
- Portfolio of online discussion contributions
- Group infographic
- Group pitch

Project

- Case Study Dissertation
- Counselling Research Study (dissertation)

Defining a core gradebook structure

- **Summative** Contribute to final grade
- **Formative** Don't contribute but are graded
- **Administrative** For information

Defining a core gradebook structure

- Standard Activities
 - Coursework
 - Exam
 - Practical
 - Project
- Resit Activities
 - Coursework
 - Exam
 - Practical
 - Project
- Formative
- Administrative



Navigation



Dashboard

- Site home
- Site pages
- ▾ My classes
 - Personal Development Planning (PDP)
 - PMI_Milan_18-19
 - MS418/MS969
 - MK803
 - GB879/MG921
 - Strathclyde MBA
 - AG432
 - CL514, CL923
 - CP206
 - EE269
 - More...

Administration



- ▾ Front page settings
 - ✎ Turn editing on
 - ⚙ Edit settings
 - Users
 - ▾ Filters

Class Search

Class Code

Department

Assessment Regime

Filter

Reset

Class Code	Class Name	Department	Assessment Regime		
L2307	Chinese Politics	Politics	yes	Edit	Migrate
L2312	War, Terrorism And Conflict	Politics	yes	Edit	Migrate
L2201	International Relations And Global Politics	Politics	yes	Edit	Migrate
L2941	Principles Of Research Design	Politics	yes	Edit	Migrate
L2105	Politics And International Relations 1a: Concepts	Politics	yes	Edit	Migrate
L2402	Governance And Development	Politics	yes	Edit	Migrate
L2905	Quantitative Methods: Survey Methods	Politics	yes	Edit	Migrate
L2104	Philosophy: Logic And Argumentation	Politics	yes	Edit	Migrate
L2235	Political Philosophy	Politics	yes	Edit	Migrate
L2426	International Security: Concepts And Issues	Politics	yes	Edit	Migrate
L2963	Contemporary Security Challenges And Responses	Politics	yes	Edit	Migrate
L2905	Research Methods For Political Scientists	Politics	yes	Edit	Migrate



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L2307 Class Code Marking Regime

	Coursework ?	Practical ?	Project ?	Exam ?
1st attempt	40	20		40
Resit attempt	40	20		40
Exemption				

Course id To Classcode Mapping

Course id	Short name	Full name	Mapped	Set Action
8925	L2307	L2307: Chinese Politics	Yes	set as class site for L2307
19388	Undergraduate Class Page	Undergraduate Class Page	No	set as class site for L2307

Save

Apply

Cancel

[Dashboard](#) > [Classes](#) > [L2312](#) > [Grades](#)

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- More...

▼ Classes

▼ L2312

▶ Partic

Competencies

 Grades

► General

► Tutorials

► Topic 2

► Topic 3

► Topic 4

► Topic 5

► Topic 6

1. 1990-1991

Migration Tool for L2312

Place some guidance around Migration here.

	Not set	Standard Coursework	Practical	Resit Coursework	Practical	Formative	Administrative
Essay 1	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Essay 2	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Final Essay	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Save

Apply

Cancel

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HOME

FIND A CLASS

STUDENT EXPERIENCE -

HELP -

MICHAEL HUGHES -

Dashboard > Classes > L2312 > Grades > Grade administration > Setup > Gradebook setup

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 - Topic 5
 - Topic 6
 - Topic 7

Administration

Grade administration

- Electronic management of assessment
- Grader report
- Grade history
- Learning Objectives report
- Overview report
- Single view
- Blind marking user IDs
- Strathclyde standard gradebook
- User report

Setup

- Gradebook setup
- Course grade settings
- Preferences: Grader report

Import

Export

Letters

Learning Objectives

Scales

Class administration

Site administration

Search in settings

Go

Gradebook setup

Name	Weights ?	Max grade	Actions	Select
L2312: War, Terrorism And Conflict		-	Edit ▾	All / None
Standard activities	0.0	-		All / None
Coursework	90.0	-		All / None
Essay 1	<input type="checkbox"/> 33.333	100.00	Edit ▾	<input type="checkbox"/>
Essay 2	<input type="checkbox"/> 33.333	100.00	Edit ▾	<input type="checkbox"/>
Final Essay	<input type="checkbox"/> 33.333	100.00	Edit ▾	<input type="checkbox"/>
Coursework total Include empty grades.		300.00	Edit ▾	
Practical	10.0	-		All / None
Tutorials	<input type="checkbox"/> 100.0	100.00	Edit ▾	<input type="checkbox"/>
Practical total Include empty grades.		100.00	Edit ▾	
Standard activities total Include empty grades.		400.00	Edit ▾	
Resit activities	0.0	-		All / None
Coursework	90.0	-		All / None
Coursework total Include empty grades.		0.00	Edit ▾	
Practical	10.0	-		All / None
Practical total Include empty grades.		0.00	Edit ▾	
Resit activities total Include empty grades.		0.00	Edit ▾	
Formative	0.0	-		All / None
Formative total Simple weighted mean of grades.		100.00	Edit ▾	
Administrative	0.0	-		All / None
Administrative total Simple weighted mean of grades.		100.00	Edit ▾	
Class total Weighted mean of grades. Include empty grades.		100.00	Edit ▾	

Teaching Happens!

L2312 Marks Return

Please enter a date for the marks return

<input type="checkbox"/>	Name	Student Registration No.	Coursework total	Standard activities total	Final Mark
<input type="checkbox"/>	ADAM YASMINE ABDELNASSER	201527973	59.00 %	60.10 %	59
<input type="checkbox"/>	AFZAL YASMIN	201610322	63.33 %	64.00 %	
<input type="checkbox"/>	AIOLFI INDIRA	201520275	61.33 %	62.20 %	
<input type="checkbox"/>	ASHDOWN JAMES LLOYD	201845410	61.67 %	62.50 %	63
<input type="checkbox"/>	BALDWIN ZAK	201847179	56.00 %	59.40 %	
<input type="checkbox"/>	BAXTER HOLLIE ANNE	201612023	62.67 %	63.40 %	
<input type="checkbox"/>	BEISEL HANNAH	201631560	70.67 %	71.60 %	
<input type="checkbox"/>	BLAIN NATHAN	201619788	67.67 %	69.90 %	70
<input type="checkbox"/>	BOWDLER ISABELLA SOPHIA GAUTIER	201846018	73.00 %	72.70 %	
<input type="checkbox"/>	BROWN CERYS	201625739	70.67 %	67.60 %	EX90
<input type="checkbox"/>	BURNS KEITH MARC JAMES	201516039	24.00 %	28.10 %	
<input type="checkbox"/>	BUSHELL LARA	201619922	70.33 %	71.30 %	
<input type="checkbox"/>	CAMERON NIAMH MARY	201845533	63.67 %	64.30 %	
<input type="checkbox"/>	CAMPBELL CHRISTOPHER	201640577	72.33 %	73.10 %	
<input type="checkbox"/>	CHAMPEL SOPHIE	201840795	60.67 %	61.60 %	

[Import](#)
[Pull from Gradebook](#)
[Cancel](#)
[Save](#)
[Generate Vax file](#)

<input type="checkbox"/>	CHRISTOPHER MOULT	201607400	65.33 %	65.60 %	
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Successes

- Discussion around describing an assessment regime
- Ability to deploy a "standard" gradebook to any course in VLE
- Bootstrapping class gradebooks with a useful structure
- Separation of assessment structure and course delivery
- Allows flexibility in the teaching delivery within a defined envelope of assessment

Not so successful

- The full process isn't running yet (not our fault)
- Created "another" dataset to describe a class
- Doesn't entirely eliminate spreadsheets

Things we'd like to see

- Ability to set some sort of master template for a gradebook
- Gradebook UI is really cumbersome
- More intuitive calculation editor
- Better ways to see the “working”
- Gradebook calculations are really brittle and not very expressive when issues have broken it!

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