

DEPARTMENT OF COMPUTER SCIENCE Course Unit Proforma

Title & Code of Course Unit	COMPGI01 Supervised Learning		
Year	2009/2010		
Course Unit Organiser	John Shawe-Taylor (Co-taught by:)		
Number Enrolled on Course	44	Average Mark Gained	61

Course Statistics

Marks	Number of Students
Distinction (70+)	13
Pass (50-69)	22
Condoned Range (40-49)	5
Fail (0-39)	3
No Result	1

A. Quality of student work, pace and content, appropriateness of teaching methods and action(s) taken to resolve any problems

The teaching methods were appropriate for the course content.

No significant problems occurred.

B. Any Learning Resources problems which have affected the provision of the course unit (quality of lecture or tutorial rooms, laboratory or IT facilities and action taken or planned)

No problems encountered

C. Issues identified by students (from questionnaires, staff-student committees etc.) and action taken or planned

No issues were identified.

D. Issues identified by External Examiners and action taken or planned

No issues were identified.

E. Chair of Teaching Committee's Comments and Action Taken or Planned (Where applicable. Where no comment is required, please see the overall departmental report)

No specific comments.

DEPARTMENT OF COMPUTER SCIENCE Course Unit Proforma

Title & Code of Course Unit	COMPGI06 Evolutionary Systems		
Year	2009/2010		
Course Unit Organiser	Mark Herbster (Co-taught by:)		
Number Enrolled on Course	33	Average Mark Gained	67

Course Statistics

Marks	Number of Students
Distinction (70+)	15
Pass (50-69)	15
Condoned Range (40-49)	2
Fail (0-39)	
No Result	1

A. Quality of student work, pace and content, appropriateness of teaching methods and action(s) taken to resolve any problems

Although not identified as a problem. This year Peter's Bentley teaching on the course has been incorporated and hopefully this will further improve the second half of the course.

B. Any Learning Resources problems which have affected the provision of the course unit (quality of lecture or tutorial rooms, laboratory or IT facilities and action taken or planned)

NA

C. Issues identified by students (from questionnaires, staff-student committees etc.) and action taken or planned

NA

D. Issues identified by External Examiners and action taken or planned

NA

E. Chair of Teaching Committee's Comments and Action Taken or Planned (Where applicable. Where no comment is required, please see the overall departmental report)

NA

DEPARTMENT OF COMPUTER SCIENCE Course Unit Proforma

Title & Code of Course Unit	COMPGI07 Mathematical Programming and Research Methods		
Year	2009/2010		
Course Unit Organiser	Mark Herbster (Co-taught by:)		
Number Enrolled on Course	27	Average Mark Gained	72

Course Statistics

Marks	Number of Students
Distinction (70+)	16
Pass (50-69)	10
Condoned Range (40-49)	
Fail (0-39)	
No Result	1

A. Quality of student work, pace and content, appropriateness of teaching methods and action(s) taken to resolve any problems

Student work quality is good.

B. Any Learning Resources problems which have affected the provision of the course unit (quality of lecture or tutorial rooms, laboratory or IT facilities and action taken or planned)

No resource problem

C. Issues identified by students (from questionnaires, staff-student committees etc.) and action taken or planned

1. Coursework return, 2. Coursework mixture 3. First and second part mixture

Addressing in reverse order. The course has a two part structure

1) first programming in matlab (for programmers this is essentially a review)

2) mathematical review

In general students need part 2 more than part 1. Given lecturers constraints this will be scheduled earlier in the term. Coursework will in the future be mixed more evenly between the two parts. This will allow the coursework to be marked sooner as the coursework load will be balanced between two lecturers.

D. Issues identified by External Examiners and action taken or planned

E. Chair of Teaching Committee's Comments and Action Taken or Planned (Where applicable. Where no comment is required, please see the overall departmental report)

DEPARTMENT OF COMPUTER SCIENCE Course Unit Proforma

Title & Code of Course Unit	COMPGI13 Advanced Topics in Machine Learning		
Year	2009/2010		
Course Unit Organiser	John Shawe-Taylor (Co-taught by: Massi Pontil)		
Number Enrolled on Course	22	Average Mark Gained	79

Course Statistics

Marks	Number of Students
Distinction (70+)	16
Pass (50-69)	5
Condoned Range (40-49)	
Fail (0-39)	
No Result	1

A. Quality of student work, pace and content, appropriateness of teaching methods and action(s) taken to resolve any problems

The quality of work was very high on this specialist course.

B. Any Learning Resources problems which have affected the provision of the course unit (quality of lecture or tutorial rooms, laboratory or IT facilities and action taken or planned

No problems encountered

C. Issues identified by students (from questionnaires, staff-student committees etc.) and action taken or planned

No issues identified.

D. Issues identified by External Examiners and action taken or planned

No issues identified.

E. Chair of Teaching Committee's Comments and Action Taken or Planned (Where applicable. Where no comment is required, please see the overall departmental report)

No specific comments.

DEPARTMENT OF COMPUTER SCIENCE Course Unit Proforma

Title & Code of Course Unit	COMP114 Machine Vision		
Year	2009/2010		
Course Unit Organiser	Simon Prince (Co-taught by:)		
Number Enrolled on Course	60	Average Mark Gained	60

Course Statistics

Marks	Number of Students
Distinction (70+)	11
Pass (50-69)	37
Condoned Range (40-49)	7
Fail (0-39)	1
No Result	4

A. Quality of student work, pace and content, appropriateness of teaching methods and action(s) taken to resolve any problems

No problems.

B. Any Learning Resources problems which have affected the provision of the course unit (quality of lecture or tutorial rooms, laboratory or IT facilities and action taken or planned)

Not enough computers last year – we had a bigger room this year.

C. Issues identified by students (from questionnaires, staff-student committees etc.) and action taken or planned

No issues identified.

D. Issues identified by External Examiners and action taken or planned

No issues identified.

E. Chair of Teaching Committee's Comments and Action Taken or Planned (Where applicable. Where no comment is required, please see the overall departmental report)

DEPARTMENT OF COMPUTER SCIENCE Course Unit Proforma

Title & Code of Course Unit	COMPGI15 Information Retrieval		
Year	2009/2010		
Course Unit Organiser	Jun Wang (Co-taught by:)		
Number Enrolled on Course	34	Average Mark Gained	59

Course Statistics

Marks	Number of Students
Distinction (70+)	6
Pass (50-69)	23
Condoned Range (40-49)	3
Fail (0-39)	2
No Result	

A. Quality of student work, pace and content, appropriateness of teaching methods and action(s) taken to resolve any problems

In this year, I have changed the Assessment Criteria based on the feedback from an external examiner. The weighting of the course work has increased from 30% to 40% to reflect the fact the course is a nice mixture of the theory and practical application. The practical application plays a very important role in information retrieval. The change effectively gave more incentive to let the students explore the subject by the programming project. I designed two programming assignments. One was for MapReduce programming over Amazon EC2 and another was for text information retrieval. I am generally very pleased with the student work.

B. Any Learning Resources problems which have affected the provision of the course unit (quality of lecture or tutorial rooms, laboratory or IT facilities and action taken or planned)

Not I am aware of.

C. Issues identified by students (from questionnaires, staff-student committees etc.) and action taken or planned

As the course is part of the Machine Learning programme, I normally assume the students have already acquired the needed knowledge and math skills from the first term. However, in year 2009/2010, a nearly half of the students were from the software engineering MSc programme. They were much less acquainted with Probability and Statistics. Some of them even know nothing about them.

Actions taken:

- 1) I gave an hour refresher course about Probability and Statistics for the students who needed them.
- 2) Removed the Statistical Machine Translation materials and Learning to Rank from the final examine.
- 3) For the students who do not know java, a matlab-based assignment project was designed.

D. Issues identified by External Examiners and action taken or planned

Not I am aware of

E. Chair of Teaching Committee's Comments and Action Taken or Planned (Where applicable. Where no comment is required, please see the overall departmental report)

DEPARTMENT OF COMPUTER SCIENCE Course Unit Proforma

Title & Code of Course Unit	COMPGI16 Approximate Inference and Learning in Probabilistic Models		
Year	2009/2010		
Course Unit Organiser	Maneesh Sahani (Co-taught by: Yee WhyeTeh)		
Number Enrolled on Course	4	Average Mark Gained	73

Course Statistics

Marks	Number of Students
Distinction (70+)	2
Pass (50-69)	2
Condoned Range (40-49)	
Fail (0-39)	
No Result	

A. Quality of student work, pace and content, appropriateness of teaching methods and action(s) taken to resolve any problems

Students are generally good for this class, we did not see any problems.

B. Any Learning Resources problems which have affected the provision of the course unit (quality of lecture or tutorial rooms, laboratory or IT facilities and action taken or planned)

Did not encounter any problems.

C. Issues identified by students (from questionnaires, staff-student committees etc.) and action taken or planned

None.

D. Issues identified by External Examiners and action taken or planned

None.

E. Chair of Teaching Committee's Comments and Action Taken or Planned (Where applicable. Where no comment is required, please see the overall departmental report)

None.

DEPARTMENT OF COMPUTER SCIENCE Course Unit Proforma

Title & Code of Course Unit	COMPGI17 Affective Computing and Human-Robot Interaction		
Year	2009/2010		
Course Unit Organiser	Nadia Berthouze (Co-taught by:)		
Number Enrolled on Course	10	Average Mark Gained	63

Course Statistics

Marks	Number of Students
Distinction (70+)	2
Pass (50-69)	7
Condoned Range (40-49)	1
Fail (0-39)	
No Result	

A. Quality of student work, pace and content, appropriateness of teaching methods and action(s) taken to resolve any problems

The quality of the students' work had improved over the previous year showing more active students participation and critical thinking.

B. Any Learning Resources problems which have affected the provision of the course unit (quality of lecture or tutorial rooms, laboratory or IT facilities and action taken or planned)

none

C. Issues identified by students (from questionnaires, staff-student committees etc.) and action taken or planned

Only one student filled the feedback form. The coursework is considered challenging, so more support is provided during labs.

D. Issues identified by External Examiners and action taken or planned

none

E. Chair of Teaching Committee's Comments and Action Taken or Planned (Where applicable. Where no comment is required, please see the overall departmental report)

none

DEPARTMENT OF COMPUTER SCIENCE Course Unit Proforma

Title & Code of Course Unit	COMPGI18 Probabilistic and Unsupervised Learning		
Year	2009/2010		
Course Unit Organiser	Maneesh Sahani (Co-taught by: Yee WhyeTeh)		
Number Enrolled on Course	9	Average Mark Gained	70

Course Statistics

Marks	Number of Students
Distinction (70+)	5
Pass (50-69)	3
Condoned Range (40-49)	1
Fail (0-39)	
No Result	

A. Quality of student work, pace and content, appropriateness of teaching methods and action(s) taken to resolve any problems

Students who stayed on in the class are generally good and we did not find any problems.

B. Any Learning Resources problems which have affected the provision of the course unit (quality of lecture or tutorial rooms, laboratory or IT facilities and action taken or planned)

We initially had problems finding a lecture room large enough to accommodate the class, as the basement at Alexandra House was booked for other purposes some weeks. We found another room on Queen Square, so that the classes were not disrupted.

C. Issues identified by students (from questionnaires, staff-student committees etc.) and action taken or planned

None.

D. Issues identified by External Examiners and action taken or planned

None.

E. Chair of Teaching Committee's Comments and Action Taken or Planned (Where applicable. Where no comment is required, please see the overall departmental report)

None.

DEPARTMENT OF COMPUTER SCIENCE Course Unit Proforma

Title & Code of Course Unit	COMPGI99 Project		
Year	2009/2010		
Course Unit Organiser	Mark Herbster (Co-taught by:)		
Number Enrolled on Course	23	Average Mark Gained	71

Course Statistics

Marks	Number of Students
Distinction (70+)	14
Pass (50-69)	7
Condoned Range (40-49)	
Fail (0-39)	
No Result	2

A. Quality of student work, pace and content, appropriateness of teaching methods and action(s) taken to resolve any problems

Nothing to report.

B. Any Learning Resources problems which have affected the provision of the course unit (quality of lecture or tutorial rooms, laboratory or IT facilities and action taken or planned)

Nothing to report

C. Issues identified by students (from questionnaires, staff-student committees etc.) and action taken or planned

As identified by students we have now organized an opportunity to give a brief presentation to their peers in later March.

D. Issues identified by External Examiners and action taken or planned

None identified.

E. Chair of Teaching Committee's Comments and Action Taken or Planned (Where applicable. Where no comment is required, please see the overall departmental report)