# **School of Geography & Geosciences**

## **Important Degree Information:**

### B.Sc./M.A. Honours

The general requirements are 480 credits over a period of normally 4 years(and not more than 5 years) or part-time equivalent; the final two years being an approved honours programme of 240 credits, of which 90 credits are at 4000 level and at least a further 120 credits at 3000 and/or 4000 (H) levels. Refer to the appropriate Faculty regulations for lists of subjects recognised as qualifying towards either a B.Sc. or M.A. degree.

### B.Sc./M.A. Honours with Integrated Year Abroad

The general requirements are 540 credits over a period of normally 5 years (and not more than 6 years) or part-time equivalent; the final three years being an approved honours programme of 300 credits, of which 60 credits are gained during the integrated year abroad, 90 credits are at 4000 level and at least a further 120 credits at 3000 and/or 4000 (H) levels. Refer to the appropriate Faculty regulations for lists of subjects recognised as qualifying towards either a B.Sc. or M.A. degree.

**Other Information:** In the case of students who spend part of the Honours Programme abroad on a recognised Exchange Scheme, the Programme Requirements will be amended to take into account courses taken while abroad.

The Honours syllabus is undergoing a major change commencing in 2002-03 and Programme requirements listed below are those for students entering the first year of the Honours Programme in 2002-03 or subsequently. Students entering the Second Year of the Honours programme in 2002-03 should refer to School Handbooks and consult Honours Advisers for the requirements of their honours programme.

Degree Programmes	Programme Requirements at:
(M.A. Honours or B.Sc. Honours): Geography	Single Honours Geography: Level 1: 40 credits comprising passes in GE1001 and GE1002
	Level 2: 60 credits comprising passes in all of GE2001, GE2002, GG2003, GG2004, including passes at 11 or better in 40 credits worth of these modules. Entry to honours with passes at 11 or better in GE2001 and GE2002 only may be permitted at the discretion of the Head of School.  Level 3: Level 3 & Level 4 (Single Honours Degree) Requirements: GE3001, GE3002, GE3004 and GE3005; <i>plus</i> either GE3006 or GE3007; <i>plus</i> either GE3008 or GG3011; <i>plus</i> GE4014, GE4018 and GE4019; <i>plus</i> 120 additional 3000 and 4000 level credits of which at least 90 credits must be from GE3025-GE3073, GE4026-GE4072 and/or GG3021-GG3089, GG4042-GG4073. Of the 240 credits required for an honours degree, 90
	credits must be at 4000 level.  Level 4(H): see above

#### **Degree Programmes Programme Requirements at:** (M.A. Honours): **Geography element of Joint Honours Degrees:** Geography and Art History, Level 1: 40 credits comprising passes in GE1001 and GE1002 Economics, English\*, French^, Hebrew, International Relations. Level 2: 60 credits comprising passes in all of GE2001, GE2002, GG2003, Italian^, Management~, Mediaeval GG2004, including passes at 11 or better in 40 credits worth of these History, Middle East Studies, modules. Entry to honours with passes at 11 or better in GE2001 and Modern History, Psychology, GE2002 only may be permitted at the discretion of the Head of School. Scottish History, Social Anthropology, Spanish^, Level 3: Level 3 & Level 4 (Joint Honours Degree) Requirements: Theological Studies. 30 credits from GE3001, GE3002, GE3004, GE3005, either GE3006 or GE3007, GE3008, GG3011, GE4014; plus GE4018; plus 60 additional (B.Sc. Honours): 3000 and 4000 level credits from GE3025-GE3073, GE4026-GE4072 Geography and Management~, and/or GG3021-GG3089, GG4042-GG4073. Of the 240 credits required Management Science, Mathematics, for an honours degree, 90 credits from joint honours subjects must be at Statistics. 4000 level. ^ available also as 'with Integrated Level 4(H): see above Year Abroad Degrees' ~Timetable clash exists, therefore this combination is subject to arrangement with both Departments. \* Timetable clash means that 2000 level English must be taken in the First vear to do this combination (B.Sc. Honours): Geography element of Joint Degree: Level 1: 40 credits comprising passes in GE1001 and GE1002 Geography and Environmental **Biology** Level 2: 60 credits comprising passes in all of GE2001, GE2002, GG2003, GG2004, including passes at 11 or better in GE2002, GG2003, GG2004. Level 3: Level 3 & Level 4 (Joint Honours Degree) Requirements: 30 credits from GE3001, GE3002, GE3004, GE3005, either GE3006 or GE3007, GE3008, GG3011, GE4014; plus GE4018; plus 60 additional 3000 and 4000 level credits from GE3025 – GE3073, GE4026 – GE4072 and/or GG3021 - GG3089, GG4042 - GG4073, GS4087. Of the 240 credits required for an honours degree, 90 credits from joint honours subjects must be at 4000 level. Level 4(H): see above **Geography element of Major Degrees:** (M.A. Honours): Geography with Social Level 1: 40 credits comprising passes in GE1001 and GE1002 **Anthropology or Spanish** Level 2: 60 credits comprising passes in all of GE2001, GE2002, GG2003, B.Sc. Honours): GG2004, including passes at 11 or better in 40 credits worth of these Geography with French<sup>^</sup> modules. Entry to honours with passes at 11 or better in GE2001 and GE2002 only may be permitted at the discretion of the Head of School. ^available also as 'with Integrated Year Abroad Degree' **Level 3:** Level 3 & Level 4 (Major Honours Degree) Requirements: GE3004, GE4014; plus any four of: GE3001, GE3002, GE3005, either GE3006 or GE3007, GE3008, GG3011; plus GE4018; plus 90 additional 3000 and 4000 level credits from GE3025-GE3073, GE4026-GE4072 and/or GG3021-GG3089, GG4042-GG4073. Of the 240 credits required for an honours degree, 90 credits from major and/or minor subjects must be at 4000 level. Level 4(H): see above

Degree Programmes	Programme Requirements at:
(M.A. Honours):  Russian^, Psychology, Social  Anthropology or Spanish^ with	Geography element of Minor M.A. Degrees: Level 1: 40 credits comprising passes in GE1001 and GE1002
Geography.  ^ available also as 'with Integrated	<b>Level 2</b> : 60 credits comprising passes in all of GE2001, GE2002, GG2003, GG2004, including passes at 11 or better in 40 credits worth of these modules. Entry to honours with passes at 11 or better in GE2001 and
Year Abroad Degree'	GE2002 only may be permitted at the discretion of the Head of School.
	<b>Level 3</b> : Level 3 & Level 4 (Minor Honours Degree) Requirements: (Geography element) 80 credits from GE or GG 3000 and 4000 level modules, at least 60 credits of which must be from GE3025-GE3073, GE4026-GE4072 and/or GG3021-GG3089, GG4042-GG4073. Of the 240 credits required for an honours degree, 90 credits from major and/or minor subjects must be at 4000 level.
	Level 4(H): see above
(B.Sc. Honours):  Mathematics with Geography	Geography element of Minor B.Sc. Degree: Level 1: 40 credits comprising passes in GE1001 and GE1002
	<b>Level 2:</b> 60 credits comprising passes in all of GE2001, GE2002, GG2003, GG2004, including passes at 11 or better in 40 credits worth of these modules. Entry to honours with passes at 11 or better in GE2001 and GE2002 only may be permitted at the discretion of the Head of School.
	Level 3: Level 3 & Level 4 (Minor Honours Degree) Requirements: (Geography element) 80 credits from GE or GG 3000 and 4000 level modules, at least 60 credits of which must be from GE3025-GE3073, GE4026-GE4072 and/or GG3021-GG3089, GG4042-GG4073. Of the 240 credits required for an honours degree, 90 credits from major and minor subjects must be at 4000 level.
	Level 4(H): see above
(B.Sc. Honours): Geoscience	Single Honours Geoscience: Level 1: 40 credits comprising passes in GS1001 and GS1002
	<b>Level 2:</b> 60 credits comprising passes at 11 or better in GG2003, GG2004, GS2001, and GS2002
	<b>Level 3:</b> 90 credits comprising GS3002, GS3003, GS3004, GS3081, GG3082, and GS3090 and 30 credits from the group GG3021, GG3023, GG3036, GG3041, GG4042, GG3052, GG3056, GG3057, GG3058, GG4059, GG3067, GG3068, GG3069, GS4083, GS4084, GG3089*.
	<b>Level 4(H):</b> 60 credits comprising GS4005, GS4006, GS4007, GS4008, and 60 credits from the group GS4085, GS4086, GS4087, GS4088, GG3021, GG3023, GG3036, GG3041, GG4042, GG3052, GG3056, GG3057, GG3058, GG4059, GG3067, GG3068, GG3069, GS4083, GS4084*.
	*NB in addition to GS4005, GS4006, GS4007, and GS4008, at least 30 credits of other 4000-level modules must be taken over the 2 years of Junior and Senior Honours.

Degree Programmes	Programme Requirements at:
(B.Sc. Honours):	Geoscience element of Joint Degree:
<b>Geoscience and Chemistry</b>	Level 1: 40 credits comprising passes in GS1001 and GS1002
	<b>Level 2:</b> 60 credits comprising passes at 11 or better in GG2003, GG2004, GS2001, and GS2002 and Honours entry in the other subject
	<b>Level 3:</b> 30 credits from GS3004 and 30 credits from GS3081, GG3082, GG3068, GG3069, GS4083, GS4084*.
	<b>Level 4(H):</b> 30 credits from GS4005, GS4009, GS4010, and 30 credits from GG3068, GG3069, GG3089, GS3081, GS4083, GS4084, GS4087, GS4088*.
	* NB In addition to GS4005, GS4009 and GS4010, at least 15 further 4000-level credits must be taken over the 2 years of Junior and Senior Honours.
(B.Sc. Honours):	Geoscience element of Joint Degree:
Geoscience and Environmental Biology.	Level 1: 40 credits comprising passes in GS1001 and GS1002
2.000	<b>Level 2:</b> 60 credits comprising passes at 11 or better in GG2003, GG2004, GS2001, and GS2002 and Honours entry in the other subject
	<b>Level 3:</b> 30 credits from GS3004, and 30 credits from the group GG3023, GG3067, GG3068, GG3069, GG3082.
	<b>Level 4(H):</b> 30 credits from GS4005, GS4009, GS4010, and 30 credits from the group GS4087, GS4088, GG3023, GG3067, GG3068, GG3069, at least 15 credits of which must be at level 4000.
(B.Sc. Honours):	Geoscience element of Joint Degree:
Geoscience and Management, Management Science.	Level 1: 40 credits comprising passes in GS1001 and GS1002
	<b>Level 2:</b> 60 credits comprising passes at 11 or better in GG2003, GG2004, GS2001, and GS2002 and Honours entry in the other subject
Geoscience and Computer Science (not available to students entering the University after 2002)	<b>Level 3:</b> 30 credits from GS3004, and 30 credits from the group GG3023, GG3067, GG3068, GG3069, GG3082.
	<b>Level 4(H):</b> 30 credits from GS4005, GS4009, GS4010, and 30 credits from the group GS4087, GS4088, GG3023, GG3067, GG3068, GG3069, at least 15 credits of which must be at level 4000.
(B.Sc. Honours):  Geoscience with French^	Geoscience element of Major Degree: Level 1: 40 credits comprising passes in GS1001 and GS1002
^ available also as 'with Integrated Year Abroad Degree'	<b>Level 2:</b> 60 credits comprising passes at 11 or better in GG2003, GG2004, GS2001, and GS2002 and Honours entry in French
	<b>Level 3:</b> 60 credits from GS3002, GS3003, GS3004, GS3090 and 30 credits from the group GG3021, GG3023, GG3036, GG3041, GG4042, GG3052, GG3056, GG3057, GG3058, GG4059, GG3067, GG3068, GG3069, GS3081, GG3082, GS4083, GS4084, GG3089*.
	<b>Level 4(H):</b> 60 credits from GS4005, GS4006, GS4007, GS4008, and 30 credits from the group GS4085, GS4086, GS4087, GS4088, GG3021, GG3023, GG3036, GG3041, GG4042, GG3052, GG3056, GG3057, GG3058, GG4059, GG3067, GG3068, GG3069, GS3081, GS3082, GS4083, GS4084*.
	* NB In addition to GS4005, GS4006, GS4007 and GS4008, at least 30 further 4000-level credits must be taken over the 2 years of Junior and Senior Honours.

## **Modules**

Normally the prerequisite for each of the following Honours modules is entry to the Honours Programme(s) for which they are specified, as well as any additional specific prerequisite(s) given.

General degree and non-graduating students wishing to enter 3000 or 4000 level modules must consult with the relevant Honours Adviser within the School before making their selection.

# **Geography (GE) Modules**

# **GE3001** Cartographic Methods in Geography

Credits: 10.0 Semester: 1

Availability: Available only to students in the first year of the Honours Programme.

Anti-requisite: GG3001

Description: This module provides an introduction to basic map design and production. The course syllabus begins with lectures outlining the ideas of generalisation, simplification and symbolisation. An introduction to computerised map production (e.g. using Adobe Illustrator) is provided. These themes form the basis for a series of practical classes, giving the student the opportunity to put these ideas into practice to produce both thematic and choropleth maps.

Class Hour: Friday 9.00 am - 12.00 noon and 2.00 - 5.00 pm during weeks 9-12.

Teaching: Two lectures and 12 hours of practicals in total, over 4 weeks.

Assessment: Practical Exercises = 100%

### **GE3002** Field Class in Geography

Credits: 10.0 Semester: 2

Availability: Available only to students in the first year of the Honours Programme.

Anti-requisite: GG3002

Description: An important part of geographical study is to put into practice what is learned in the classroom. To that end, this module is organised around a week-long residential course, usually undertaken in continental Europe

Class Hour: To be arranged.

Teaching: Between 5 and 12 days.

Assessment: Project Report = 100%

#### **GE3004** Ideas and Methods in Geography I

Credits: 10.0 Semester: 2

Anti-requisite: GG3004

Description: A course of lectures and workshops covering the major philosophical and methodological debates which have arisen within geography over the last two decades. Topics range from an introduction to the nature of methodological analysis, through a consideration of the most recent developments in both human and physical geography, to a discussion of unity and diversity: a postmodern geography? Students are required to participate actively in the workshop sessions and discussion is encouraged throughout.

Class Hour: 2.00 - 4.00 Thursday.

Teaching: 20 hours of lectures and workshops in total.

Assessment: Course Work = 100%

### **GE3005** Data Analysis in Geography

Credits: 10.0 Semester: 1

Availability: Available only to students in the first year of the Honours Programme.

Anti-requisite: GG3005

Description: This module is designed to give students an introduction to the handling, presentation and analysis of numerical data within the context of Geography. Topics will include: (i) understanding data types; (ii) data presentation and basic descriptive statistics; (iii) probability; (iv) hypothesis testing using parametric and non-parametric statistics; (v) correlation and regression; (vi) an introduction to the analysis of spatial data. The use of the MINITAB statistical software; is designed to allow these techniques to be employed with large data sets.

Class Hour: 2.00 - 5.00 pm Friday.

Teaching: One lecture and one two-hour practical class each week over 6 weeks.

Assessment: 3 Hour Examination = 100%

#### **GE3006 Survey: Physical**

Credits: 10.0 Semester: 2

Availability: Available only to students in the first year of the Honours Programme.

Anti-requisite: GG3006

Description: This is a practical class in which students are introduced to the principles and practice of basic topographic survey, the interpretation of aerial photographs and computer processing of field survey data. Based on a local field area, instruction is provided in the use of levels, theodolites and EDMs for simple field survey. Data collected from the field survey exercise will be analysed using 3D computer software models. Instruction is also provided on the theory and practice of deriving maps from aerial photographs.

Class Hour: 2.00 - 5.00 pm Friday.

Teaching: 20 hours of lectures, laboratories and field instruction in total.

Assessment: Project Report = 100%

# **GE3007 Survey: Social**

Credits: 10.0 Semester: 2

Availability: Available only to students in the first year of the Honours Programme.

Anti-requisite: GG3007

Description: This module introduces students to the techniques of social survey design: problem identification; questionnaire construction; interviewing; sampling; data coding and analysis; report writing and evaluation. Students will be required to conduct a small field survey and present both a verbal and written report on their findings. Data will be analysed using the computer package SPSS for Windows. The module will be of particular use to those students contemplating a dissertation topic in human geography.

Class Hour: 2.00 - 5.00 pm Friday.

Teaching: 20 hours of lectures and practical work in total.

Assessment: Project Report = 100%

## **GE3008** Qualitative Methods in Geography

Credits: 10.0 Semester: 1

Availability: Available only to students in the first year of the Honours Programme.

Description: This module introduces students to the basic differences between quantitative and qualitative field techniques and to the theoretical and epistemological arguments that inform the choice to use one or the other or both. It discusses a range of qualitative field methods and offers practical experimentation with several. Students design and undertake a qualitative research project on a contemporary local issue. This involves independent field work and analysis of the information collected which is written up in an assessed report.

Class Hour: 2.00 - 4.00 pm Thursday.

Teaching: 20 hours of lectures, laboratories and fieldwork in total.

Assessment: Project Report = 100%

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## **GE3025 Development Studies I**

Credits: 15.0 Semester: 1

Availability: 2003-04 Anti-requisite: GG3025

Description: This module examines the development process in 'third world' countries and its association with economic growth, social development and political change. The course covers: the dimensions of development; the global structure of uneven development; theoretical and historical perspectives on development; North-South relations.

Class Hour: 11.00 am - 1.00 pm Tuesday.

Teaching: 16 hours of lectures and seminars in total.

Assessment: Continuous Assessment = 33%, 2 Hour Examination = 67%

# **GE3029** Geography and Gender

Credits: 15.0 Semester: 1

Availability: 2003-04 Anti-requisite: GG3029

Description: This module re-examines some of the areas of enquiry commonly covered by geographers, but seeks to highlight the gender dimensions of these issues. The module reviews the theoretical positions underpinning different feminisms and considers whether there might be a specifically feminist methodology. Students determine the direction of the latter part of the module through their choice and presentation of group seminars.

Class Hour: 2.00 pm Tuesday and 10.00 am Wednesday.

Teaching: 16 hours of lectures and seminars in total.

Assessment: Continuous Assessment = 33%, 2 Hour Examination = 67%

## **GE3035** Cities, Society and Space

Credits: 15.0 Semester: 1

Availability: 2002-03 Anti-requisite: GG3035

Description: The aim of this module is to provide an understanding of urban development and urban problems in the developed countries of Europe and North America. This module will document the changing character of developed world cities and seek an explanation of these changes in the interrelationships between the processes of economic growth, social development and political control.

Class Hour: 11.00 am - 1.00 pm Tuesday.

Teaching: 16 hours of lectures and seminars in total.

Assessment: Continuous Assessment = 33%, 2 Hour Examination = 67%

# **GE3037 Population Studies I**

Credits: 15.0 Semester: 1

Availability: 2002-03 Anti-requisite: GG3037

Description: The first part of this module aims to equip students to execute and understand a variety of measures and concepts which are the basis of all demographic research, including: measures of mortality and fertility; period and cohort analysis; stable and stationary populations; natural fertility. The second part examines the major transformation of European populations from 1750 onwards, with particular attention given to Scotland. Students are encouraged to explore the many debates surrounding the explanation of this important episode in order to enhance their understanding of the complex interrelationships between social and demographic variables.

Class Hour: 2.00 - 4.00 pm Tuesday.

Teaching: 16 hours of lectures and seminars and one laboratory in total.

Assessment: Continuous Assessment = 33%, 2 Hour Examination = 67%

### **GE3046** The European Union and Central and Eastern Europe

Credits: 15.0 Semester: 1

Prerequisite: Entry to Honours Geography or one of IR1003 or IR1004.

Anti-requisite: GG3046

Description: The module will introduce students to the theory of the integrated space economy, and to the economic geography of Europe, with special reference to the links between the countries of central and eastern Europe and the European Union. It will also introduce students to some of the sources of data about those links.

Class Hour: 12.00 noon Wednesday and 12.00 noon Thursday.

Teaching: Two classes each week.

Assessment: Continuous Assessment = 33%, 2 Hour Examination = 67%

#### **GE3048** The Growing Awareness of Landscape I

Credits: 15.0 Semester: 2

Availability: 2002-03

Prerequisite: Entry to Honours Geography or one of AH2001 or AH2002.

Anti-requisite: GG3048

Description: This module seeks to answer the question 'Why do we think that some landscapes are beautiful and others ugly?' Following an introduction to landscape aesthetics, the course proceeds by charting the changing definitions of beautiful landscapes within the post-Renaissance Western European tradition. Topics covered include: landscapes of the Renaissance; the age of geometry; picturesque landscapes in England; the English discovery of the Scottish Highlands; industrial landscapes in the nineteenth century; changing views of the rural scene 1800-1950; and Utopian planning and twentieth century landscapes.

Class Hour: 10.00 am Tuesday and 4.00 pm Tuesday.

Teaching: Two classes each week.

Assessment: Continuous Assessment = 33%, 2 Hour Examination = 67%

## **GE3051** Environmental Management in Scotland

Credits: 15.0 Semester: 1

Availability: 2002-03

Anti-requisite: GG3051, GG3056

Description: This module focuses on current environmental management issues in Scotland. It provides a presentation of the primary systems of land & resource management (eg. forestry, agriculture & crofting, wildlife, freshwater resources, conservation), and examples of the ways in which these systems interact. The aim is to leave students with an informed conceptual framework for evaluating management proposals and their implications for environmental, economic and social change. A particular focus, employing topical case studies and a field visit, is the conflicts that arise as interest groups with contrasting philosophies & value systems compete to determine the future of Scotland's natural heritage within a new political framework.

Class Hour: 9.00 am Monday and 11.00 am Wednesday.

Teaching: 16 hours of lectures or seminars and a one-day field visit.

Assessment: Continuous Assessment = 33%, 2 Hour Examination = 67%

# GE3060 Geographies of Imperialism and Colonialism I

Credits: 15.0 Semester: 1

Availability: 2002-03 Anti-requisite: GG3060

Description: This module will survey modern European imperialism and colonialism from a broadly geographical perspective. Emphasis will be placed on the issues of possession: on the various ways in which Europeans imagined, explored, represented, and went about taking, settling and controlling non-Euorpean space. Arguments and examples will be drawn from different parts of the imperial world.

Class Hour: 12.00 noon and 2.00 pm Monday.

Teaching: 16 hours of lectures and seminars in total.

Assessment: Continuous Assessment = 33%, 2 Hour Examination = 67%

### **GE3070** Migration and Health

Credits: 15.0 Semester: 2

Availability: 2003-04 Anti-requisite: GG3034

Description: This module has three elements. The first introduces human migration, discussing theoretical approaches to migration, the varying types of mobility that exist, and the relationship between migration and issues such as employment, gender and the freedom to migrate. The second introduces the geography of health, focussing on socio-economic and spatial inequalities in health provision and outcomes. The third integrates these themes; topics include the role of migration in the spread of disease, adaptation to new environments and access to health care provision. The module will complement courses on population studies offered elsewhere in the honours degree programme.

Class Hour: 10.00 am - 12.00 noon Thursday.

Teaching: 16 hours of lectures and seminars in total.

Assessment: Continuous Assessment = 33%, 2 Hour Examination = 67%

## **GE3073** Geography of Health

Credits: 15.0 Semester: 1

Description: This module introduces the principal concerns of the geography of health, including the spatial distribution of diseases, disability and medical conditions, the relationship of health to environmental, social and cultural factors, and the organisation of health care services. It will cover general principles in the geography of health and also specific issues of contemporary political concern. It is primarily based on the contemporary experience of the United Kingdom and other Western societies, although there will be some discussion of the historical geography of health and of the geography of health in the developing world. The module will include practical elements, including consideration of data sets on the geography of health and of qualitative and quantitative methods of analysis.

Class Hour: 11.00 am - 1.00 pm Monday.

Teaching: 16 hours of lectures and seminars in total.

Assessment: Continuous Assessment = 33%, 2 Hour Examination = 67%

## **GE4014** Ideas and Methods in Geography II

Credits: 10.0 Semester: 2

Availability: Available only to students in the second year of the Honours Programme

Prerequisite: GE3004

Anti-requisites: GG3003, GE3003

Description: This module extends the work of GE3004 and encourages students to discuss the scope and diversity of geographical inquiry in preparation for the Ideas and Methods examination at the end of their two honours years. The module involves a series of lectures and seminars that will augment the understanding of theoretical, methodological and applied issues gained in the rest of the honours programme. Discussion will range across a variety of topics including geography as experimental science, geography and local government, research and relevant geographies, and geographical understandings of topical issues. Students will also be required to attend lectures on selected topics and staff-led seminars.

Class Hour: 11.00 am - 1.00 pm Friday.

Teaching: 20 hours of lectures and seminars in total.

Assessment: 3 Hour Examination = 100%