Calendar 2003-04

UNIVERSITY
of
GLASGOW

DEGREES AWARDED IN CONJUNCTION WITH THE SCOTTISH AGRICULTURAL COLLEGE

CONTENTS

I APPEALS BY STUDENTS

The Code of Appeals for students pursuing courses at the Scottish Agricultural College which contribute to degrees of the University are set out in the appropriate section VI of the following pages. Any appeal must be intimated in writing within fourteen days of the intimation to the student of the decision which he or she appeals against, stating the grounds of appeal. Appeals will not be entertained against marks or decisions of examiners, or other matters of academic judgement, but only on grounds of unfair procedure or medical evidence.

In certain circumstances students who are dissatisfied with the decision of the Academic Appeals Committee may make a further appeal to the University Senate. The Code of Procedure for Appeals to the Senate is printed in the section of the University *Calendar* entitled *University Fees and General Information for Students.*

II INTRODUCTION

The University of Glasgow awards degrees to students who have undertaken degree courses in several colleges associated with the University, including the Scottish Agricultural College.

Application for admission to first degree courses at the College must be made through the Universities and Colleges Admissions Service (UCAS), Rosehill, New Barn Lane, Cheltenham, Glos. GL52 3LZ. Further information about courses may be obtained from the Admissions Officer, SAC Ayr Campus, Auchincruive Estate, Ayr KA6 5HW.

III DEGREE OF BACHELOR OF ARTS (SCOTTISH AGRICULTURAL COLLEGE)

The degree of Bachelor of Arts (Scottish Agricultural College) will be governed by a Resolution of the University Court which at the date of going to press is yet to come into effect. The relevant provisions are as follows:

1. The Degree of Bachelor of Arts may be conferred by the University of Glasgow as a General degree or as a degree with Honours in any one of the following subjects:

   Adventure Tourism and Outdoor Pursuits
   Leisure Management (Sport and Recreation)
   Rural Recreation and Tourism Management
   Rural Recreation and Tourism Management (Equine Studies)
   Rural Recreation and Tourism Management (Heritage Studies)

   The degrees shall be administered by the Scottish Agricultural College (hereinafter 'the College'). The College shall, subject to Senate's approval where appropriate, be responsible for the content and conduct of programmes and degree examinations and other methods of assessment, the admission and progress of students and related matters. The day-to-day management of each degree programme shall be the responsibility of a management team appointed by the College.

2. The curriculum for the General degrees shall extend over not fewer than three academic sessions of full-time study, and the curriculum for the degrees with Honours shall extend over not fewer than four academic sessions of full-time study. The programmes for the degrees shall be provided at the College or in the University of Glasgow. Candidates may be permitted to count as qualifying for the degrees periods of study undertaken, examinations completed at other institutions approved by the University Court on the recommendation of the College and the Senate; provided always that students whose attendance, examination passes and assessments are thus recognised must attend the College or the University of Glasgow for at least one final year of full time study for the General degrees or at least two final years of full-time study for the degrees with Honours.

3. The University Court may, on the recommendation of the College and the Senate, recognise as teachers for the degree such lecturers and other teaching staff of the College who have responsibility for programmes qualifying for the degrees.

4. The College shall recommend to the Senate and the University Court the appointment of examiners for the degrees, including at least one external examiner. The College may recommend as internal examiners, but not as external examiners, for the degrees members of the teaching staff of the College who have been recognised as teachers for the degrees in terms of section 3 above.

5. Candidates may not present themselves more than once for the Final Honours examination, except by special permission of the Senate on the recommendation of the College.

6. (a) There shall be four classes of Honours, to be called first, upper second, lower second and third class respectively.
   (b) A candidate who has failed to be placed in any class may, provided that in the opinion of the examiners he or she has given evidence of sufficient attainment, receive from them a certificate entitling him or her to exemption, in whole or in part, from the examinations prescribed for the General degree.

7. If a candidate is adjudged by the Board of Examiners to have been prevented by good cause from completing the assessment for the degree programme (honours or non-honours), then the arrangements set out in the Code of Assessment in the *University Fees and General Information for Students* section of the *University Calendar* shall apply.

8. The progress of all students shall be subject to annual review. Students may be suspended from further attendance on the course if they have failed to satisfy the management team that they have completed the year's work to a satisfactory

standard, in accordance with the arrangements for assessment specified in the Schedules. All decisions by the management team on the progress of students shall be reported to the College.

9. A student who wishes to appeal against any decision affecting his or her studies must do so in writing in accordance with the Code of Procedure of Appeals, which is printed at the end of this section of the University *Calendar*. If the matter cannot be resolved at that level, the student may appeal to the Senate against the decision of the Academic Appeals Committee. The Code of Procedure for Appeals to the Senate is also printed in the *University Fees and General Information for Students* section of the *University Calendar*.

10. Students shall be required to comply with such instructions as are prescribed by the management team in charge of the programme. Such instructions may require students: to attend specified lectures, tutorials, laboratory or practical sessions, field courses, examinations and other events; to provide themselves with such books, equipment and other materials as are necessary for the course; to submit items of work, including essays, dissertations and project reports, by such dates as may be instructed. All such instructions shall be given to the students in writing at the beginning of the course. Reasonable notice of any alteration to them will also be given. A student who fails to comply with these instructions may be refused enrolment in and admission to degree examinations in the subject. Work that is submitted later than the date instructed, without an acceptable reason being provided, shall be subject to a reduction in the mark awarded according to a scale given in writing at the beginning of the programme.

11. The programme and subjects of study for the degrees, the arrangements for the assessment of students, and other matters related to the degree shall be as stated in the Schedules hereto.

SCHEDULE A: DEGREE OF BACHELOR OF ARTS IN ADVENTURE TOURISM AND OUTDOOR PURSUITS

1. Subjects of Study

The subjects of study for the degree shall be defined in terms of the following modules. The contact hours shown include lectures, tutorials, practical classes and related assignments.

Module Title:	**Hours**	**SCOTCAT Credits**
Year 1		
Core		
Communication: Selecting and Presenting Complex Information	40	8
Countryside Recreation	40	8
Practical Use of Software Application Packages	40	8
Quality Service and Customer Care	40	8
Work Experience	40	8
First Aid Procedures	40	8
Practical Approach to Rural Tourism	40	8
Land Use Systems	40	8
Environmental Awareness	40	8
Outdoor Pursuits Management: Theory & Practice 1	80	16
Skill Acquisition and Performance	40	8
Introduction to Coaching and Leadership	40	8
Swimming Pool Lifeguard: Skills and Practice	40	8
The UK Tourism Industry – An Introduction	40	8
Total	600	120
Year 2		
Core		
Information Handling and Presentation	40	8
Problem Solving Using Teamwork and Quantitative Methods	40	8
Recreation Provision and the Natural Environment	40	8
The UK Tourism Industry – II	80	16
Outdoor Pursuits Management: Theory & Practice 2	80	16
Intermediate Land Based Outdoor Pursuits	40	8
Intermediate Water Based Outdoor Pursuits	40	8
Managing an Event	80	16
Coaching Children	40	8
Interpretive Principles	40	8
Sustainable Tourism and Rural Communities	40	8
Instructional Practice	40	8
Total	600	120

Module Title:	Hours	SCOTCAT Credits
Year 3		
Core		
Research Skills and Data Analysis	40	15
Management of Outdoor Pursuits	40	15
Tourism in Rural Areas Within The UK	40	15
Managing Sustainable Tourism	40	15
Activity Tourism	40	15
Sub-total	200	75
Electives	120	45
Total	320	120
List of electives in Year 3		
Developing Coaching 1	40	8
Physiology, Exercise and Health	40	8
Interpretive Planning and Evaluation	40	8
Sociology and Geography of Leisure	40	8
Visitor Management	40	8
Year 4		
Core		
Honours Project	80	30
Field Course	40	15
Advanced Case Studies	40	15
Adventure Tourism Management	40	15
Sub-total	200	75
Electives	120	45
Total	320	120
List of electives in Year 4		
Sociological Issues in Sport and Recreation Management	40	15
Tourism and Popular Culture	40	15
Rural Tourism in a Global Context	40	15
Developing Coaching 2	40	15
Personal and Professional Development through Outdoor Training	40	15

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each module. Progress will depend upon attaining a satisfactory standard in each module. Where a student has not completed all the modules relating to the first year he or she may be permitted to progress to the second year of the course provided he or she has achieved at least 104 SCOTCAT credits. To progress to the third year the student must have acquired 240 SCOTCAT credits.

Year 3:

There shall be up to eight examination papers depending on the electives chosen, and an assessment of course work. Students who attain the requisite standard in the degree examinations and the assessment of course work shall be eligible for the award of the General degree. Alternatively, they shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be up to six examination papers, a dissertation based on the fourth year project, an assessment of course work and a contribution of marks from Year 3. Students who attain the requisite standards will be eligible for the award of the degree with Honours in accordance with Section 6 of the Resolution.

SCHEDULE B: DEGREE OF BACHELOR OF ARTS IN LEISURE MANAGEMENT (SPORT AND RECREATION)

1. Subjects of Study

The subjects of study for the degree shall be defined in terms of the following modules. The contact hours shown include lectures, tutorials, practical classes and related assignments.

Module Title:	**Hours**	**SCOTCAT Credits**
Year 1		
Core		
A Practical Approach to Leisure	40	8
Marketing: An Introduction	40	8
Quality Service and Customer Care	40	8
Human Resource Management 1	40	8
Communications: Selecting and Presenting Complex Information	40	8
Practical Use of Software Applications Packages	40	8
Countryside Recreation	40	8
Records for Business	40	8
Understanding Leisure	40	8
First Aid Procedures	40	8
Work Experience	40	8
Sub-total	480	96
Electives	120	24
Total	600	120
List of Electives in Year 1		
Environmental Awareness	40	8
Skill Acquisition and Performance	40	8
Introduction to Coaching and Leadership	40	8
Outdoor Pursuits Management: Theory and Practice 1	80	16
Swimming Pool Lifeguard: Skills and Practice	40	8
Year 2		
Core		
Information Handling and Presentation	40	8
Economic Principles for Business	40	8
Financial Business Analysis	40	8
Managing an Event	80	16
Leisure Provision for the Community	80	16
Problem Solving Using Teamwork and Quantitative Methods	40	8
Marketing Strategy	40	8
Human Resource Management 2	40	8
Leisure Facility Case Study	40	8
Sub-total	440	88
Electives	160	32
Total	600	120
List of Electives in Year 2		
Outdoor Pursuits Management: Theory and Practice 2	80	16
Recreation Provision and the Natural Environment	40	8
Intermediate Land-Based Outdoor Pursuits	40	8
Intermediate Water-Based Outdoor Pursuits	40	8
Coaching Children	40	8
Play Development 1	80	16
Sports Development	80	16
Year 3		
Core		
Strategic Management	40	15
Economic Analysis for Business Decisions	40	15
Facilities Management	40	15
Sociology and Geography of Leisure	40	15
Research Skills and Data Analysis	40	15
Sub-total	200	75
Electives	120	45
Total	320	120
List of Electives in Year 3		
Play Development 2	40	15
Physiology, Exercise and Health	40	15
Management of Outdoor Pursuits	40	15
Visitor Management	40	15
Developing Coaching 1	40	15

Year 4		
Core		
Management Skills and Entrepreneurship	40	15
Advanced Case Studies	40	15
Field Course	40	15
Honours Project	80	30
Sub-total	200	75
Electives	120	45
Total	320	120

List of Electives in Year 4

Sports and Recreation Management	40	15
Sociological Issues in Sport and Recreation Provision	40	15
Adventure Tourism Management	40	15
Personal and Professional Development through Outdoor Training	40	15
Developing Coaching 2	40	15

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each module. Progress will depend upon attaining a satisfactory standard in each module. Where a student has not completed all the modules relating to the first year, he or she may be permitted to progress to the second year of the course, provided that he or she has achieved at least 104 SCOTCAT credits. To progress to the third year, the student must have acquired 240 SCOTCAT credits.

Year 3:

There shall be up to eight examination papers depending on the electives chosen and an assessment of course work. Students who attain the requisite standard in the degree examinations and in the assessment of course work shall be eligible for the award of the General degree. Alternatively, they shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be up to six examination papers depending on the electives chosen, a dissertation based on the fourth year project, an assessment of course work and a contribution of marks from Year 3. Students who attain the requisite standards shall be eligible for the award of the degree with Honours, in accordance with Section 6 of the Resolution.

SCHEDULE C: DEGREE OF BACHELOR OF ARTS IN RURAL RECREATION AND TOURISM MANAGEMENT

1. Subjects of Study

The subjects of study for the degree shall be defined in terms of the following modules. The contact hours shown include lectures, tutorials, practical classes and related assignments.

Module Title:	**Hours**	**SCOTCAT Credits**
Year 1		
Core		
A Practical Approach to Rural Tourism	40	8
Quality Service and Customer Care	40	8
First Aid Procedures	40	8
Communication: Selecting and Presenting Complex Information	40	8
Countryside Recreation	40	8
Practical Use of Software Applications Packages	40	8
Work Experience	40	8
Records for Business	40	8
Land Use Systems	40	8
The UK Tourism Industry: An Introduction	40	8
Sub-total	400	80
Electives	200	40
Total	600	120

List of Electives in Year 1

either **Rural Recreation and Tourism Management**		
Environmental Awareness	40	8
Skill Acquisition and Performance	40	8
Interpretation: An Introduction	40	8
Providing Hospitality for Leisure and Tourism*	40	8

Module Title:	**Hours**	**SCOTCAT Credits**
Outdoor Pursuits Management: Theory & Practice 1	80	16
Heritage Studies	40	8
** mandatory for this group*		
or **Rural Recreation and Tourism Management (Heritage Studies)**		
Marketing: An Introduction*	40	8
Environmental Awareness*	40	8
Interpretation: An Introduction*	40	8
Heritage Studies*	40	8
History and Archaeology: An Introduction*	40	8
** mandatory for this group*		
or **Rural Recreation and Tourism Management (Equine Studies)**		
Environmental Awareness*	40	8
Introduction to Coaching and Leadership*	40	8
Riding and Trek Leading Skills*	80	16
Providing Hospitality for Leisure and Tourism*	40	8
** mandatory for this group*		
Year 2		
Core		
Information Handling and Presentation	40	8
Economic Principles for Business	40	8
Rural Enterprise Diversification	40	8
The UK Tourism Industry II	80	16
Sustainable Tourism and Rural Communities	40	8
Problem Solving using Teamwork and Quantitative Methods	40	8
Recreation Provision and the Natural Environment	40	8
Sub-total	320	64
Electives	280	56
Total	600	120
List of Electives in Year 2		
either **Rural Recreation and Tourism Management**		
Managing an Event	80	16
Rural Retailing Enterprises*	40	8
Outdoor Pursuits Management: Theory & Practice 2	80	16
Intermediate Land based Outdoor Pursuits	40	8
Intermediate Water Based Outdoor Pursuits	40	8
Human Resource Management 1*	40	8
Marketing: An Introduction*	40	8
Heritage Tourism	40	8
Interpretive Principles	40	8
Applied Interpretation	40	8
Instructional Practice	40	8
** mandatory for this group*		
or **Rural Recreation and Tourism Management (Heritage Studies)**		
Marketing strategy*	40	8
Human Resource Management 1*	40	8
Managing an Event*	80	16
Heritage Tourism*	40	8
Interpretive Principles*	40	8
Applied Interpretation*	40	8
** mandatory for this group*		
or **Rural Recreation and Tourism Management (Equine Studies)**		
Selection of the Horse*	40	8
Marketing: An Introduction*	40	8
Managing an Event*	80	16
Instructional Practice	40	8
Rural Retailing Enterprises*	40	8
Horse Feeding and Grazing Management*	40	8
** mandatory for this group*		
Year 3		
Core		
Research Skills and data Analysis	40	15
Strategic Management	40	15

Module Title:	Hours	SCOTCAT Credits
Economic Analysis for Business Decisions	40	15
Tourism in Rural Areas within the UK	40	15
Managing Sustainable Tourism	40	15
Sub-total	200	75
Electives	120	45
Total	320	120

List of Electives in Year 3

either **Rural Recreation and Tourism Management**

Visitor Management	40	15
Facilities Management	40	15
Activity Tourism	40	15
Interpretive Planning and Evaluation	40	15
Management of Outdoor Pursuits	40	15

or **Rural Recreation and Tourism Management (Heritage Studies)**

Visitor Management*	40	15
Interpretive Planning and Evaluation*	40	15
Historical Geography*	40	15

** mandatory for this group*

or **Rural Recreation and Tourism Management (Equine Studies)**

Visitor Management*	40	15
Activity Tourism*	40	15
Horse Business Management*	40	15

** mandatory for this group*

Year 4

Core		
Field Course	40	15
Advanced Case Studies	40	15
Management Skills and Entrepreneurship	40	15
Honours Project	80	30
Sub-total	200	75
Electives	120	45
Total	320	120

List of electives in Year 4

either **Rural recreation and Tourism Management**

Rural Development	40	15
Tourism and Popular Culture	40	15
Rural Tourism in a Global Context	40	15
Heritage Management	40	15
Adventure Tourism Management	40	15

or **Rural Recreation and Tourism Management (Heritage Studies)**

Tourism and Popular Culture*	40	15
Rural Tourism in a Global Context*	40	15
Heritage Management*	40	15

** mandatory for this group*

or **Rural Recreation and Tourism Management (Equine Studies)**

Rural Tourism in a Global Context*	40	15
Adventure Tourism Management*	40	15
Equestrian Tourism*	40	15

** mandatory for this group*

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each module. Progress will depend upon attaining a satisfactory standard in each module. Where a student has not completed all the modules relating to the first year he or she may be permitted to progress to the second year of the course provided he or she has achieved at least 104 SCOTCAT credits. To progress to the third year the student must have acquired 240 SCOTCAT credits.

Year 3:

There shall be up to eight examination papers depending on the electives chosen, and an assessment of course work. Students who attain the requisite standard in the degree examinations and the assessment of course work shall be eligible for the award of the General degree. Alternatively, they shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be up to six examination papers, a dissertation based on the fourth year project, an assessment of course work and a contribution of marks from Year 3. Students who attain the requisite standards will be eligible for the award of the degree with Honours in accordance with Section 6 of the Resolution.

IV DEGREE OF BACHELOR OF SCIENCE (SCOTTISH AGRICULTURAL COLLEGE)

The degree of Bachelor of Science (Scottish Agricultural College) will be governed by a Resolution of the University Court which at the date of going to press is yet to come into effect. The relevant provisions are as follows:

1. The Degree of Bachelor of Science may be conferred by the University of Glasgow as a General degree or as a degree with Honours in any one of the following subjects:

   Agricultural Science
   Agriculture
   Applied Bioscience
   Countryside Management
   Food Science and Technology
   Horticulture
   Landscape Management

   The degree of Bachelor of Science with Honours may be conferred in the following subjects:

   Agriculture (Animal Science)
   Agriculture (Crop Science)
   Agriculture (Rural Enterprise)
   Applied Bioscience (Animal Science)
   Applied Bioscience (Plant Science)
   Applied Bioscience (Agricultural Science)
   Applied Bioscience (Biotechnology)
   Applied Bioscience (Environment)

   The degrees shall be administered by the Scottish Agricultural College (hereinafter 'the College'). The College shall, subject to Senate's approval where appropriate, be responsible for the content and conduct of programmes and degree examinations and other methods of assessment, the admission and progress of students and related matters. The day-to-day management of each degree programme shall be the responsibility of a management team appointed by the College.

2. The curriculum for the General degrees shall extend over not fewer than three academic sessions of full-time study, and the curriculum for the degrees with Honours shall extend over not fewer than four academic sessions of full-time study. The programmes for the degrees shall be provided at the College or in the University of Glasgow. Candidates may be permitted to count as qualifying for the degrees periods of study undertaken, examinations completed at other institutions approved by the University Court on the recommendation of the College and the Senate; provided always that students whose attendance, examination passes and assessments are thus recognised must attend the College or the University of Glasgow for at least one final year of full time study for the General degrees or at least two final years of full-time study for the degrees with Honours.

3. The University Court may, on the recommendation of the College and the Senate, recognise as teachers for the degree such lecturers and other teaching staff of the College who have responsibility for programmes qualifying for the degrees.

4. The College shall recommend to the Senate and the University Court the appointment of examiners for the degrees, including at least one external examiner. The College may recommend as internal examiners, but not as external examiners, for the degrees members of the teaching staff of the College who have been recognised as teachers for the degrees in terms of section 3 above.

5. Candidates may not present themselves more than once for the Final Honours examination, except by special permission of the Senate on the recommendation of the College.

6. (a) There shall be four classes of Honours, to be called first, upper second, lower second and third class respectively.

   (b) A candidate who has failed to be placed in any class may, provided that in the opinion of the examiners he or she has given evidence of sufficient attainment, receive from them a certificate entitling him or her to exemption, in whole or in part, from the examinations prescribed for the General degree.

7. If a candidate is adjudged by the Board of Examiners to have been prevented by good cause from completing the assessment for any degree programme, then the arrangements set out in the Code of Assessment in the *University Fees and General Information for Students* section of the *University Calendar* shall apply.

8. The progress of all students shall be subject to annual review. Students may be suspended from further attendance on the course if they have failed to satisfy the management team that they have completed the year's work to a satisfactory standard, in accordance with the arrangements for assessment specified in the Schedules. All decisions by the management team on the progress of students shall be reported to the College.

9. A student who wishes to appeal against any decision affecting his or her studies must do so in writing in accordance with the Code of Procedure of Appeals, which is printed at the end of this section of the University *Calendar.* If the matter cannot be resolved at that level, the student may appeal to the Senate against the decision of the Academic Appeals Committee. The Code of Procedure for Appeals to the Senate is also printed in the *University Fees and General Information for Students* section of the *University Calendar.*

10. Students shall be required to comply with such instructions as are prescribed by the management team in charge of the programme. Such instructions may require students: to attend specified lectures, tutorials, laboratory or practical sessions, field courses, examinations and other events; to provide themselves with such books, equipment and other materials as are necessary for the course; to submit items of work, including essays, dissertations and project reports, by such dates as may be instructed. All such instructions shall be given to the students in writing at the beginning of the course. Reasonable notice of any alteration to them will also be given. A student who fails to comply with these instructions may be refused enrolment in and admission to degree examinations in the subject. Work that is submitted later than the date instructed, without an acceptable reason being provided, shall be subject to a reduction in the mark awarded according to a scale given in writing at the beginning of the programme.

11. The programme and subjects of study for the degrees, the arrangements for the assessment of students, and other matters related to the degree shall be as stated in the Schedules hereto.

12. Following full approval of this Resolution, previous Resolutions for the degrees of BSc in Applied Bioscience; BSc in Horticulture and BSc in Land Management are hereby repealed.

SCHEDULE A: DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURAL SCIENCE

1. Subjects of Study

The subjects of study for the degree shall be defined in terms of the following modules. The contact hours shown include lectures, tutorials, practical classes and related assignments.

Module Title:	**Hours**	**SCOTCAT Credits**
Year 1		
Animal Physiology	40	8
Livestock Breeding and Health	40	8
Land Use Systems	40	8
Plant Growth and Development	40	8
Plant Physiology	40	8
Environmental Awareness	40	8
Biochemistry of Cells	40	8
Cells and the Fundamentals of Life	40	8
Energy and Metabolism	40	8
Genetics	40	8
Chemistry and Physics for the Life Sciences: an Introduction	40	8
Microbial Growth and Activity	40	8
Soil Management	40	8
Practical Use of Software Application Packages	40	8
Communication – Selecting and Presenting Complex Information	40	8
Total	600	120
Year 2		
Core		
Livestock Health and Welfare	40	8
Livestock Nutrition	40	8
Livestock Product Quality and Processing	40	8
Systems of Livestock Production	40	8
Applied Crop Physiology	40	8
Arable Crop Production	40	8
Plant Protection: An Introduction	40	8
Soils and Crop Nutrition	40	8
Business Management: An Introduction	40	8
Work Experience	40	8
Information Handling and Presentation	40	8
Problem Solving Using Teamwork and Quantitative Methods	40	8
Sub-total	480	96
Electives	120	24
Total	600	120

List of electives in Year 2		
Manipulation of Animal Productive Function.	40	8
Ecology: Principles and Practice	40	8
Grass and Fodder Crop Production	40	8
Integrated Plant Protection	40	8
Pollution and Waste Management: An Introduction	40	8
Cell and Tissue Culture	40	8
Recombinant Technology	40	8
Year 3		
Core		
Research Skills and Data Analysis	40	15
Experimental and Analytical Techniques	40	15
Animal Growth and Development	40	15
Livestock Enterprise Management	40	15
Plant Growth and Metabolism	40	15
Crop Products and Potential	40	15
Sub-total	240	90
Electives	80	30
Total	320	120
List of electives in Year 3		
Animal Welfare and Behaviour	40	15
Pharmacology in Animal Health	40	15
Management Skills and Entrepreneurship	40	15
New Perspectives in Plant Protection	40	15
Biochemical and Genetic Resources.	40	15
Livestock Production Science*	40	15
Year 4		
Core		
Honours Project	120	45
Topical Issues in Agricultural Science	40	15
Sub-total	160	60
Electives	160	60
Total	320	120
List of electives in Year 4		
Advanced Agronomy	40	15
Animal Feed Technology	40	15
Animal Breeding and Genetics	40	15
Animal Welfare: Disease and Diagnostics	40	15
Applied Livestock Technology*	40	15
Poultry Meat Production Systems	40	15
Food and Agri-business Economic Policy	40	15
Biotechnology and Crop Improvement	40	15
Land Based Environmental Issues*	40	15
Plant Biotic Interactions	40	15
Plant Protection Technology	40	15
Plant Responses to Stress	40	15
Soil Environment Interactions	40	15

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each module. Progress will depend upon attaining a satisfactory standard in each module. Where a student has not completed all the modules relating to the first year he or she may be permitted to progress to the second year of the course provided he or she has achieved at least 104 SCOTCAT credits. To progress to the third year the student must have acquired 240 SCOTCAT credits.

Year 3:

There shall be up to eight examination papers depending on the electives chosen, and an assessment of course work. Students who attain the requisite standard in the degree examinations and the assessment of course work shall be eligible for the award of the General degree. Alternatively, they shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be up to five examination papers, a dissertation based on the fourth year project, an assessment of course work and a contribution of marks from Year 3. Students who attain the requisite standards will be eligible for the award of the degree with Honours in accordance with Section 6 of the Resolution.

SCHEDULE B: DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE

1. Subjects of Study

The subjects of study for the Degree of Bachelor of Science in Agriculture shall be defined in terms of the following course units. The contact hours include lectures, tutorials, practical classes and related assignments.

Module Title:	**Hours**	**SCOTCAT Credits**
Year 1		
All core		
Land Use Systems	40	8
Environmental Awareness	40	8
Arable Crop Production	40	8
Soil Management: An Introduction	20	4
Crop Protection, Harvesting and Storage Mechanisation	40	8
Crop Establishment Mechanisation	20	4
Plant Protection: An Introduction	40	8
Grass and Forage Crop Production	40	8
Livestock Breeding and Health	40	8
Livestock Husbandry and Recording	40	8
Livestock Science: An Introduction	40	8
Systems of Livestock Production	40	8
Mechanisation 1	40	8
Records for Business	40	8
Communication: Selecting and Presenting Complex Information	40	8
Practical Use of Software Applications Packages	40	8
Total	600	120
Year 2		
Core		
Work Experience	40	8
Pollution and Waste Management: An Introduction	40	8
Biodiversity Conservation	40	8
Financial Business Analysis	40	8
Planning, Budgeting and Control	40	8
Business Case Study	40	8
Information Handling and Presentation	40	8
Livestock Product Quality and Processing	40	8
Livestock Nutrition	40	8
Crop Quality, Storage and Processing	40	8
Integrated Plant Protection	40	8
Rural Buildings 1	20	4
Controlling Environments	20	4
Sub-total	480	96
Electives	120	24
Total	600	120
List of Electives in Year 2		
Livestock Management Systems	40	8
Rural Enterprise Diversification	40	8
Specialised Field Crops	40	8
Marketing of Agricultural Products	40	8
Human Resource Management 1	40	8
Habitat Management	40	8
Organic Farming Systems	40	8
Year 3		
All Core		
Research Skills and Data Analysis	40	15
Advanced Case Studies	40	15
Management Skills and Entrepreneurship	40	15
Economic Analysis for Business Decisions	40	15
Resource Management and Budgeting	40	15
Physiology of Crop Yield	40	15
Livestock Production Science	40	15
The UK Agri-Food Industries	40	15
Total	320	120

Module Title:	**Hours**	**SCOTCAT Credits**
Year 4		
Core		
Honours Project	80	30
Land-Based Environmental Issues	40	15
Sub-total	120	45
Electives	200	75
Total	320	120
Electives in Year 4		
either **Agriculture**		
Applied Livestock Technology*	40	15
Advanced Agronomy*	40	15
Food and Agri-Business Economic Policy*	40	15
Advanced Financial Management and Planning*	40	15
Business Marketing*	40	15
**mandatory for this group*		
or **Agriculture (Animal Science)**		
Applied Livestock Technology*	40	15
three modules selected from the following group:		
Animal Welfare and Behaviour	40	15
Animal Feed Technology	40	15
Animal Breeding and Genetics	40	15
Challenges for Animal Scientists	40	15
one module selected from the following group:		
Advanced Agronomy	40	15
Food and Agri-Business Economic Policy	40	15
Advanced Financial Management and Planning	40	15
Business Marketing	40	15
** mandatory for this group*		
or **Agriculture (Crop Science)**		
Advanced Agronomy*	40	15
three modules selected from the following group:		
New Perspectives in Plant Protection	40	15
Crop Products and Potential	40	15
Plant Protection Technology	40	15
Biotechnology and Crop Improvement	40	15
Soil Environment Interactions	40	15
one module selected from the following group:		
Applied Livestock Technology	40	15
Food and Agri-Business Economic Policy	40	15
Advanced Financial Management and Planning	40	15
Business Marketing	40	15
** mandatory for this group*		
or **Agriculture (Rural Enterprise)**		
Business Marketing*	40	15
three modules selected from the following group:		
Rural Diversification	40	15
Rural Development	40	15
Rural Sociology, Psychology and the Countryside	40	15
Rural Policy Analysis	40	15
Tourism in Rural Areas Within the UK	40	15
one module selected from the following group:		
Applied Livestock Technology	40	15
Food and Agri-Business Economic Policy	40	15
Advanced Financial Management and Planning	40	15
Advanced Agronomy	40	15
** mandatory for this group*		

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each module. Progress will depend upon attaining a satisfactory standard in each module. Where a student has not achieved all the modules relating to the first year, he or she may be permitted to progress to

the second year of the course, provided that he or she has achieved at least 104 SCOTCAT credits. To progress to the third year, the student must have acquired 240 SCOTCAT credits.

Year 3:

There shall be up to eight examination papers and an assessment of course work. Students who attain the requisite standard in the degree examinations and the assessment of course work shall be eligible for the award of the General degree. Alternatively, they shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be up to six examination papers, a dissertation based on the fourth year project, an assessment of class work and a contribution of marks from Year 3. Students who attain the requisite standards will be eligible for the award of the degree with Honours, in accordance with Section 6 of the Resolution.

SCHEDULE C: BACHELOR OF SCIENCE IN APPLIED BIOSCIENCE

1. Subjects of Study

In the first year of study for the Degree of Bachelor of Science in Applied Bioscience, there is a common curriculum of core modules. In the second and third years, the curriculum comprises both core and elective modules. Students are required to choose particular groups of elective modules, in some cases with certain modules being mandatory within each group. In the fourth year, the curriculum includes both core and elective modules which allow students either to specialise in Animal Science, Plant Science, Agricultural Science (only Years 2 and 4 available in 2003-04), Biotechnology or Environment or to have a greater choice of electives and opt for an unspecified Applied Bioscience award.

The subjects of study for the degree shall be defined in terms of the following modules. The contact hours shown include lectures, practical classes and related assignments.

Module Title:	**Hours**	**SCOTCAT Credits**
Year 1		
Cells and the Fundamentals of Life	40	8
Biochemistry of Cells	40	8
Energy and Metabolism	40	8
Genetics	40	8
Chemistry and Physics for the Life Sciences: An Introduction	40	8
Microbial Growth and Activity	40	8
Plant Physiology	40	8
Plant Growth and Development	40	8
Animal Physiology	40	8
Livestock Breeding and Health	40	8
Introducing Biotechnology for Food, Land and Environment	40	8
Laboratory Safety	40	8
Environmental Awareness	40	8
Practical Use of Software Applications Packages	40	8
Communication: Selecting and Presenting Complex Information	40	8
Total	600	120

Year 2

Students who enrolled on Year 1 of the programme in academic year 2002-03 and who will therefore enter Year 2 in 2003-04 will study the following curriculum:

Core		
Communication - Selecting and Presenting Complex Information	40	8
Problem Solving using Teamwork and Quantitative Methods	40	8
Data Handling	40	8
Introduction to Business Management	40	8
Sub-total	160	32
Electives	440	88
Total	600	120

List of electives in Year 2

Either **Applied Bioscience**		
Recombinant Technology*	40	8
Laboratory and Industrial Enzymology*	40	8
Cell and Tissue Culture*	40	8
Laboratory Design and Operation to Quality Standards*	40	8
Applied Crop Physiology	40	8
Soils and Crop Nutrition	40	8

BSc in Applied Bioscience

Module Title:	Hours	SCOTCAT Credits
Introduction to Plant Protection	40	8
Integrated Plant Protection	40	8
Livestock Nutrition	40	8
Livestock Health and Welfare	40	8
Manipulation of Animal Productive Function	40	8
Ecology and Habitats: An Introduction	40	8
Introduction to Pollution and Waste Management	40	8
**mandatory for this group*		
Or **Agricultural Science**		
Applied Crop Physiology*	40	8
Arable Crop Production*	40	8
Soils and Crop Nutrition*	40	8
Introduction to Plant Protection*	40	8
Livestock Nutrition*	40	8
Livestock Health and Welfare*	40	8
Livestock Production Systems*	40	8
Livestock Product Requirements, Manipulation and Processing*	40	8
Integrated Plant Protection	40	8
Manipulation of Animal Productive Function	40	8
Ecology and Habitats: An Introduction	40	8
Recombinant Technology	40	8
Cell and Tissue Culture	40	8
Grass and Fodder Crop Production	40	8
Introduction to Pollution and Waste Management	40	8
**mandatory for this group*		

Students who enrol on Year 1 of the programme in academic year 2003-04 and thereafter will study the following curriculum:

Core:		
Problem Solving using Teamwork and Quantitative Methods	40	8
Information Handling and Presentation	40	8
Business Management: An Introduction	40	8
Recombinant Technology	40	8
Laboratory and Industrial Enzymology	40	8
Cell and Tissue Culture	40	8
Quality Assurance in the Laboratory	40	8
Work Experience	40	8
Sub-total	320	64
Electives	280	56
Total	600	120

List of electives in Year 2		
Applied Crop Physiology	40	8
Soils and Crop Nutrition	40	8
Plant Protection: An Introduction	40	8
Integrated Plant Protection	40	8
Livestock Nutrition	40	8
Livestock Health and Welfare	40	8
Manipulation of Animal Productive Function	40	8
Ecology: Principles and Practice	40	8
Pollution and Waste Management: an Introduction	40	8
Year 3		
Core		
Research Skills and Data Analysis	40	15
Experimental and Analytical Techniques	40	15
Animal Growth and Development	40	15
Crop Products and Potential	40	15
Sub-total	160	60
Electives	160	60
Total	320	120

List of electives in Year 3		
Pharmacology in Animal Health	40	15
Animal Welfare and Behaviour	40	15
New Perspectives in Plant Protection	40	15
Management Skills and Entrepreneurship	40	15

Module Title:	**Hours**	**SCOTCAT Credits**
Livestock Enterprise Management	40	15
Biochemical and Genetic Resources	40	15
Environmental Chemistry and Toxicology	40	15
Pollution Control	40	15
Ecology: Management and Impacts	40	15
Plant Growth and Metabolism	40	15
Land and Habitat Restoration	40	15

Year 4

Students who enrolled on Year 1 of the programme in academic year 2000-01 and who will therefore enter Year 4 in 2003-04 will study the following curriculum:

Core		
Honours project	120	45
Topical Issues in Applied Bioscience	40	15
Sub-total	160	60
Electives	160	60
Total	320	120

Groups of electives in Year 4

Candidates must choose four electives, including the stated minimum number of electives from one of the named groups. In order to make a total of four electives, one elective may be chosen from any group, as appropriate.

Either **Applied Bioscience (Animal Science)**

At least three electives must be chosen from this group.

Animal Welfare: Disease and Diagnostics	40	15
Advanced Nutritional Science	40	15
Animal Breeding and Genetics	40	15
Poultry Meat Production Systems	40	15

Or **Applied Bioscience (Plant Science)**

At least three electives must be chosen from this group.

Plant Protection Technology	40	15
Plant Responses to Stress	40	15
Plant Biotic Interactions	40	15
Biotechnology and Crop Improvement	40	15

Or **Applied Bioscience (Agricultural Science)**

At least four electives must be chosen from this group

Food and Agri-business Economic Policy	40	15
Animal Welfare: Disease and Diagnostics	40	15
Advanced Nutritional Science	40	15
Animal Breeding and Genetics	40	15
Poultry Meat Production Systems	40	15
Plant Protection Technology	40	15
Plant Responses to Stress	40	15
Plant Biotic Interactions	40	15
Biotechnology and Crop Improvement	40	15
Soil, Environment Interactions	40	15

Or **Applied Bioscience (Biotechnology)**

At least three electives must be chosen from this group.

Animal Welfare: Disease and Diagnostics	40	15
Animal Breeding and Genetics	40	15
Plant Responses to Stress	40	15
Plant Biotic Interactions	40	15
Biotechnology and Crop Improvement	40	15
Commercialisation of New Technologies	40	15

Or **Applied Bioscience (Environment)**

At least three electives must be chosen from this group.

Waste Reduction and Recycling	40	15
Water Pollution and Inorganic Toxicants	40	15
Biodiversity and Conservation Ecology	40	15
Soil, Environment Interactions	40	15
Geographic Information Systems	40	15

Students who enrolled on Year 1 of the programme in academic year 2001-02 and thereafter will study the following curriculum:

Module Title:	**Hours**	**SCOTCAT Credits**
Core		
Honours project	120	45
Topical Issues in Applied Bioscience	40	15
Sub-total	160	60
Electives	160	60
Total	320	120

Groups of electives in Year 4

Candidates must choose four electives, including the stated minimum number of electives from one of the named groups. In order to make a total of four electives, one elective may be chosen from any group, as appropriate.

Either **Applied Bioscience**

At least four electives must be chosen from this group

Animal Feed Technology	40	15
Animal Breeding and Genetics	40	15
Poultry Meat Production Systems	40	15
Animal Welfare: Disease and Diagnostics	40	15
Commercialisation of New Technologies	40	15
Food and Agri-business Economic Policy	40	15
Ecology: Issues and Investigations	40	15
Biotechnology and Crop Improvement	40	15
Plant Biotic Interactions	40	15
Plant Protection Technology	40	15
Plant Response to Stress	40	15
Environmental Biotechnology	40	15
Geographic Information Systems and Remote Sensing	40	15
Waste Reduction and Recycling	40	15
Soil Environment Interactions	40	15

Either **Applied Bioscience (Animal Science)**

At least three electives must be chosen from this group.

Animal Welfare: Disease and Diagnostics	40	15
Animal Feed Technology	40	15
Animal Breeding and Genetics	40	15
Poultry Meat Production Systems	40	15

Or **Applied Bioscience (Plant Science)**

At least three electives must be chosen from this group.

Plant Protection Technology	40	15
Plant Responses to Stress	40	15
Plant Biotic Interactions	40	15
Biotechnology and Crop Improvement	40	15

Or **Applied Bioscience (Biotechnology)**

At least three electives must be chosen from this group.

Animal Welfare: Disease and Diagnostics	40	15
Animal Breeding and Genetics	40	15
Plant Responses to Stress	40	15
Plant Biotic Interactions	40	15
Biotechnology and Crop Improvement	40	15
Environmental Biotechnology	40	15
Commercialisation of New Technologies	40	15

Or **Applied Bioscience (Environment)**

At least three electives must be chosen from this group.

Ecology: Issues and Investigations	40	15
Environmental Biotechnology	40	15
Waste Reduction and Recycling	40	15
Soil Environment Interactions	40	15
Geographic Information Systems and Remote Sensing	40	15

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each module. Progress will depend upon attaining a satisfactory standard in each module. Where a student has not completed all the modules relating to the first year he or she may be permitted to progress to the second year of the course provided that he or she has achieved at least 104 SCOTCAT credits. To progress to the third year the student must have achieved 240 SCOTCAT credits.

Year 3:

There shall be up to eight examination papers depending on the electives chosen, and an assessment of course work. Students who attain the requisite standard in the degree examinations and the assessment of course work shall be eligible for the award of the General degree. Alternatively, they shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be up to five examination papers, a dissertation based on the fourth year project, an assessment of course work and a contribution of marks from Year 3. Students who attain the requisite standards shall be eligible for the award of the degree with Honours in accordance with Section 6 of the Resolution.

SCHEDULE D: DEGREE OF BACHELOR OF SCIENCE IN COUNTRYSIDE MANAGEMENT

1. Subjects of Study

The subjects of study for the degree shall be defined in terms of the following modules. The contact hours shown include lectures, tutorials, practical classes and related assignments.

Module Title:	**Hours**	**SCOTCAT Credits**
Year 1		
All Core		
Biology: An Introduction	40	8
Ecology: An Introduction	40	8
Biodiversity Conservation	40	8
Identification Skills for the Living World	40	8
Interpretation: An Introduction	40	8
Countryside Recreation	40	8
Leadership of Countryside Activities	40	8
Earth Science: An Introduction	40	8
Land-use Systems	40	8
History and Archaeology: An Introduction	40	8
Understanding the Landscape	40	8
Communication - Selecting and Presenting Complex Information	40	8
Planning: An Introduction	40	8
Environmental Awareness	40	8
Practical Use of Software Applications Packages	40	8
Total	600	120
Year 2		
Core		
Habitat Management	40	8
Ecology: Principles and Practice	40	8
Countryside Visitor Management	40	8
Land-use in Practice	40	8
Problem Solving using Teamwork and Quantitative Methods	40	8
Quality Service and Customer Care	40	8
Interpretive Principles	40	8
Education for Sustainability: Opportunities and Delivery	40	8
Countryside Access: Law and Organisation	40	8
Information Handling and Presentation	40	8
Work Experience	40	8
Personal Effectiveness	40	8
Sub-total	480	96
Electives	120	24
Total	600	120
List of Electives in Year 2		
Managing the Aquatic Environment	40	8
Applied Interpretation	40	8
Constructing Hard Landscape Features	40	8
Heritage Studies	40	8
Business Management: An Introduction	40	8

Module Title:	**Hours**	**SCOTCAT Credits**
Year 3		
Core		
Advanced Communication	40	15
Working with Communities	40	15
Project Specification and Management	40	15
Research Skills and Data Analysis	40	15
Sub-total	160	60
Electives	160	60
Total	320	120
List of Electives in Year 3		
Conservation Management Planning	40	15
Interpretive Planning and Evaluation	40	15
Ecology: Management and Impacts	40	15
Multipurpose Woodland Management	40	15
Education for Sustainability: Theory and Policy	40	15
Countryside Access: Key Skills	40	15
Rural Planning and Environmental Impact Assessment	40	15
Geographic Information Systems and Remote Sensing	40	15
Managing Sustainable Tourism	40	15
Year 4		
Core		
Rural Sociology, Psychology and the Countryside	40	15
Action for Biodiversity	40	15
Topical Issues in Countryside Management	40	15
Honours Project	80	30
Sub-total	200	75
Electives	120	45
Total	410	120
List of Electives in Year 4		
Ecology: Issues and Investigation	40	15
Catchment Management	40	15
Environmental Economics	40	15
Management Skills and Entrepreneurship	40	15
Issues in Interpretation	40	15
Earth Science Conservation	40	15
Historical Geography	40	15
Land and Habitat Restoration	40	15

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each module. Progress will depend upon attaining a satisfactory standard in each module. Where a student has not completed all the modules relating to the first year he or she may be permitted to progress to the second year of the course provided he or she has achieved at least 104 SCOTCAT credits. To progress to the third year the student must have acquired 240 SCOTCAT credits.

Year 3:

There shall be up to eight examination papers and an assessment of course work. Students who attain the requisite standard in the degree examinations and the assessment of course work shall be eligible for the award of the General degree. Alternatively, they shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be up to six examination papers, a dissertation based on the fourth year project, an assessment of course work and a contribution of marks from Year 3. Students who attain the requisite standards will be eligible for the award of the degree with Honours in accordance with Section 6 of the Resolution.

SCHEDULE E: DEGREE OF BACHELOR OF SCIENCE IN FOOD SCIENCE AND TECHNOLOGY

1. Subjects of Study

The subjects of study for the Degree of Bachelor of Science in Food Science and Technology shall be defined in terms of the following modules. The contact hours shown include lectures, tutorials, practical classes and related assignments.

Module Title:	**Hours**	**SCOTCAT Credits**
Year 1		
Communication: Selecting and Presenting Complex Information	40	8
Practical use of Software Applications Packages	40	8
Food Hygiene	40	8
Processing Services I	40	8
Food Chemistry and Nutrition	40	8
Food Packaging, Storage, Distribution and Retailing	40	8
Food Processing I	40	8
Food Processing II	40	8
Chemistry and Physics for the Life Sciences: An Introduction	40	8
Laboratory Safety	40	8
Microbial Growth and Activity	40	8
Business Management: An Introduction	40	8
Marketing: An Introduction	40	8
Land Use in Practice	40	8
Environmental Awareness	40	8
Total	600	120
Year 2		
Core		
Problem Solving using Teamwork and Quantitative Methods	40	8
Information Handling and Presentation	40	8
Work Experience	40	8
Controlling Environments	20	4
Processing Services II	40	8
Food Process Control	20	4
Sensory Assessment of Food	40	8
Food Quality Assurance	40	8
Food Product Development Principles	40	8
Food Laboratory Techniques	40	8
Food Microbiology	40	8
Livestock Product Quality and Processing	40	8
Crop Quality, Storage and Processing	40	8
Quality Assurance in the Laboratory	40	8
Pollution and Waste Management: An Introduction	40	8
Planning, Budgeting and Control	40	8
Total	600	120
Year 3		
Dairy Products	40	15
Meat Products	40	15
Experimental and Analytical Techniques	40	15
Research skills and Data Analysis	40	15
Human Nutrition	40	15
Advanced Food Hygiene	40	15
Management Skills and Entrepreneurship	40	15
The UK Agri-Food Industries	40	15
Total	320	120
Year 4		
Science and Technology of Food	40	15
Food Quality Management	40	15
Commercialisation of New Technologies	40	15
Business Marketing	40	15
Advanced Communication	40	15
Honours Project	120	45
Total	320	120

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each module. Progress will depend upon attaining a satisfactory standard in each module. Where a student has not achieved all the modules relating to the first year, he or she may be permitted to progress to

the second year of the course, provided that he or she has achieved at least 104 SCOTCAT credits. To progress to the third year, the student must have acquired 240 SCOTCAT credits.

Year 3:

There shall be up to eight examination papers and an assessment of course work. Students who attain the requisite standard in the degree examinations and the assessment of course work shall be eligible for the award of the General degree. Alternatively, they shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be up to five examination papers, a dissertation based on the fourth year project, an assessment of course work and a contribution of marks from Year 3.Students who attain the requisite standards will be eligible for the award of the degree with Honours, in accordance with Section 6 of the Resolution.

SCHEDULE F - BACHELOR OF SCIENCE IN HORTICULTURE

1. Subjects of Study

In each year of study for the Degree of Bachelor of Science in Horticulture, the curriculum comprises both core and elective modules. Students are required to choose particular groups of elective modules, with some modules being mandatory within each group.

The subjects of study for the degree shall be defined in terms of the following modules. The contact hours shown include lectures, practical classes and related assignments.

Module Title:	**Hours**	**SCOTCAT Credits**
Year 1		
HNC Horticulture Integrative Assessment 1	40	8
HNC Horticulture Integrative Assessment 2	40	8
Using Software Applications Packages	40	8
Supervision and Management	40	8
Horticulture Practices	80	16
Soil Management	40	8
Mechanisation 1	40	8
Plant Protection	40	8
Plant Recognition	40	8
Plant Growth and Development	40	8
Plant Physiology	40	8
Bedding Plant Technology	40	8
Sub-total	520	104
Electives	80	16
Total	600	120
List of electives in Year 1		
Pesticide Application 1	40	8
Retailing of Plants	40	8
Design Process & Composition	40	8
Planting Design	40	8
Year 2		
Core		
Business Management: An Introduction	40	8
Integrated Plant Protection	40	8
Soils & Crop Nutrition	40	8
Sub-total	120	24
Electives	480	96
Total	600	120
List of electives in Year 2		
Either **Production Horticulture**		
HND Production Horticulture Integrative Assessment 1*	40	8
HND Production Horticulture Integrative Assessment 2*	40	8
Mechanisation 2*	40	8
Pesticide Application 2*	40	8
Applied Crop Physiology*	40	8
Horticultural Growing Media *	40	8
Hardy Ornamental Nursery Stock: Container Production*	40	8
Protected Crop Production: Edible*	40	8
Protected Crop Production: Non-Edible*	40	8
Genetics*	40	8
Constructing Hard Landscape Features	40	8

BSc in Horticulture

Module Title:	Hours	SCOTCAT Credits
Landscape Design History	40	8
Ecology: Principles & Practice	40	8
Designing Plant Collections	40	8
Apiculture	40	8
Work Experience	40	8
Parks and Amenities	80	16
**mandatory for this group*		
Or **Amenity Horticulture**		
HND Amenity Horticulture Integrative Assessment 1*	40	8
HND Amenity Horticulture Integrative Assessment 2*	40	8
Mechanisation 2*	40	8
Lawn Construction & Management*	40	8
Landscape Specification & Estimation*	40	8
Landscape Maintenance & Management*	80	16
Constructing Hard Landscape Features*	40	8
Parks and Amenities*	80	16
Pesticide Application 2	40	8
Fundamentals of Landscape Surveying	40	8
Landscape Design History	40	8
Information Technology in Landscape Design & Management	80	16
Ecology: Principles & Practices	40	8
Horticultural Growing Media	40	8
Hardy Ornamental Nursery Stock: Container Production	40	8
Apiculture	40	8
Work Experience	40	8
Design Process and Composition in the Landscape: an Introduction	40	8
**mandatory for this group*		
Or **Horticultural Science**		
HND Horticultural Science Integrative Assessment 1*	40	8
HND Horticultural Science Integrative Assessment 2*	40	8
Mechanisation 2*	40	8
Pesticide Application 2*	40	8
Ecology: Principles & Practices	40	8
Applied Crop Physiology*	40	8
Horticultural Growing Media *	40	8
Genetics*	40	8
Cells & Fundamentals of Life*	40	8
Biochemistry of Cells *	40	8
Recombinant Technology*	40	8
Hardy Ornamental Nursery Stock: Container Production	40	8
Protected Crop Production: Edible	40	8
Protected Crop Production: Non-Edible	40	8
Apiculture	40	8
Work Experience	40	8
**mandatory for this group*		
Or **Horticulture with Plantsmanship**		
HND Horticulture with Plantsmanship Integrative Assessment 1*	40	8
HND Horticulture with Plantsmanship Integrative Assessment 2*	40	8
Plant & Habitat Conservation*	40	8
Plantsmanship*	80	16
Managing Plant Collections*	80	16
Designing Plant Collections*	40	8
Plant Classification and Systematics*	80	16
Applied Crop Physiology*	40	8
Work Experience*	40	8
**mandatory for this group*		

BSc in Horticulture

Module Title:	Hours	SCOTCAT Credits
Year 3		
Core		
New Perspectives in Plant Protection	40	15
Sub-total	40	15
Electives	280	105
Total	320	120
List of electives in Year 3		
Either **Production**		
Cell & Tissue Culture*	40	15
Plant Growth & Metabolism*	40	15
Soil Environment Interactions*	40	15
Crop Products & Potential*	40	15
Crop Production: Vegetables & Fruit*	40	15
Management Skills & Entrepreneurship*	40	15
Economic Analysis for Business Decisions*	40	15
**mandatory for this group*		
Or **Amenity**		
Soil Environment Interactions*	40	15
Project Specification & Management*	40	15
Landscape Management - Principles & Practice*	80	30
Economic Analysis for Business Decisions*	40	15
Multi-purpose Woodland Management	40	15
Habitat Management	40	15
Ecology: Management & Impacts	40	15
Landscape Surveying & Construction 2	40	15
Mechanisation 3	40	15
**mandatory for this group*		
Or **Science**		
Cell & Tissue Culture*	40	15
Plant Growth & Metabolism*	40	15
Soil Environment Interactions*	40	15
Experimental & Analytical Techniques*	40	15
Crop Products & Potential*	40	15
Crop Production: Vegetables & Fruit*	40	15
Ecology: Management & Impacts	40	15
Economic Analysis for Business Decisions	40	15
**mandatory for this group*		
Or **Business**		
Experimental & Analytical Techniques*	40	15
Crop Products & Potential*	40	15
Economic Analysis for Business Decisions*	40	15
Management Skills & Entrepreneurship*	40	15
UK Agri-Food Industries*	40	15
Cell & Tissue Culture	40	15
Plant Growth & Metabolism	40	15
Soil Environment Interactions	40	15
Mechanisation 3	40	15
**mandatory for this group*		
Year 4		
Students who enrolled on Year 1 of the programme in academic year 2000-01 and who will therefore enter Year 4 in 2003-04 will study the following curriculum:		
Core		
Honours Project	80	30
Crop Enterprise Management	40	15
Sub-total	120	45
Electives	200	75
Total	320	120
List of electives in Year 4		
Either **Production**		
Plant Protection Technology*	40	15
Advanced Plant Propagation*	40	15
Management Strategy & Entrepreneurship*	40	15
Food & Agri-business Economic Policy*	40	15

BSc in Horticulture

Module Title:	Hours	SCOTCAT Credits
Plant Responses to Stress	40	15
Plant Biotic Interactions	40	15
Mechanisation 3	40	15
**mandatory for this group*		
Or **Amenity**		
Plant Responses to Stress*	40	15
Plant Protection Technology*	40	15
Management Strategy & Entrepreneurship*	40	15
Food & Agri-business Economic Policy*	40	15
Advanced Plant Propagation	40	15
Conservation Ecology	40	15
Mechanisation 3	40	15
**mandatory for this group*		
Or **Science**		
Plant Responses to Stress*	40	15
Plant Protection Technology*	40	15
Plant Biotic Interactions*	40	15
Biotechnology & Crop Improvement*	40	15
Research Techniques*	40	15
**mandatory for this group*		
Or **Business**		
Management Strategy & Entrepreneurship*	40	15
Food & Agri-business Economic Policy*	40	15
Food & Agri-business Marketing*	40	15
Financial Management*	40	15
Plant Protection Technology	40	15
Advanced Plant Propagation	40	15
**mandatory for this group*		

Students who enrolled on Year 1 of the programme in academic year 2001-02 and thereafter will study the following curriculum:

Core		
Honours Project	80	30
Crop Enterprise Management	40	15
Sub-total	120	45
Electives	200	75
Total	320	120
List of electives in Year 4		
Either **Production**		
Plant Protection Technology*	40	15
Advanced Plant Propagation*	40	15
Consumer Studies*	40	15
Business Marketing*	40	15
Plant Responses to Stress	40	15
Plant Biotic Interactions	40	15
Mechanisation 3	40	15
**mandatory for this group*		
Or **Amenity**		
Plant Responses to Stress*	40	15
Plant Protection Technology*	40	15
Business Marketing*	40	15
Advanced Plant Propagation*	40	15
Ecology: Issues & Investigations	40	15
Action for Biodiversity	40	15
Mechanisation 3	40	15
**mandatory for this group*		
Or **Science**		
Plant Responses to Stress*	40	15
Plant Protection Technology*	40	15
Plant Biotic Interactions*	40	15
Biotechnology & Crop Improvement*	40	15
Research Techniques*	40	15
**mandatory for this group*		

Module Title:	**Hours**	**SCOTCAT Credits**
Or **Business**		
Food & Agri-business Economic Policy*	40	15
Business Marketing*	40	15
Advanced Financial Management & Planning*	40	15
Consumer Studies*	40	15
Plant Protection Technology	40	15
Advanced Plant Propagation	40	15

**mandatory for this group*

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each course unit. Progress will depend upon attaining a satisfactory standard in each course unit. Where a student has not completed all the course units relating to the first year he or she may be permitted to progress to the second year of the course provided that he or she has achieved at least 104 SCOTCAT credits.. To progress to the third year the student must have achieved 240 SCOTCAT credits.

Year 3:

There shall be up to eight examination papers depending on the electives chosen, and an assessment of course work. Students who attain the requisite standard in the degree examinations and the assessment of course work shall be eligible for the award of the General degree. Alternatively, they shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be up to six examination papers depending on the electives chosen, a dissertation based on the fourth year project, an assessment of course work and a contribution of marks from Year 3. Students who attain the requisite standards shall be eligible for the award of the degree with Honours in accordance with Section 6 of the Resolution.

SCHEDULE G: BACHELOR OF SCIENCE IN LANDSCAPE MANAGEMENT

1. Subjects of Study

In each year of study for the Degree of Bachelor of Science in Landscape Management, the curriculum comprises both core and elective modules. In the first and second year, students are required to choose particular groups of elective modules, whereas in the third and fourth years there is a free choice from among the elective modules offered.

The subjects of study for the degree shall be defined in terms of the following modules. The contact hours shown include lectures, practical classes and related assignments.

Module Title:	**Hours**	**SCOTCAT Credits**
Year 1		
Core		
Using Software Applications Packages	40	8
Supervision and Management	40	8
Horticulture Practices	80	16
Plant Recognition	40	8
Fundamentals of Landscape Surveying	40	8
Planting Design	40	8
Design Process and Composition	40	8
Sub-total	320	64
Electives	280	56
Total	600	120
List of electives in Year 1		
Either **Landscape Management**		
HNC Landscape Management Integrative Assessment 1*	40	8
HNC Landscape Management Integrative Assessment 2*	40	8
Soil Management	40	8
Mechanisation 1	40	8
Plant Protection	40	8
Pesticide Application 1	40	8
Constructing Hard Landscaping Features	40	8

** mandatory for this group*

Or **Garden Design**		
HNC Garden Design Integrative Assessment 1*	40	8
HNC Garden Design Integrative Assessment 2*	40	8
Plant Growth and Development	40	8
Garden Design: Basic Concepts	80	16

BSc in Landscape Management

Module Title:	Hours	SCOTCAT Credits
Plants for Gardens: Trees, Shrubs and Herbaceous	40	8
Design and Use of Hard Landscape Features	40	8
** mandatory for this group*		
Year 2		
Core		
Business Management: An Introduction	40	8
Lawn Construction & Management	40	8
Landscape Specification & Estimation	40	8
Landscape Maintenance & Management	80	16
Information Technology in Landscape Design & Management	80	16
Sub-total	280	56
Electives	320	64
Total	600	120
List of electives in Year 2		
Either **Landscape Management**		
HND Landscape Management Integrative Assessment 1*	40	8
HND Landscape Management Integrative Assessment 2*	40	8
Integrated Plant Protection *	40	8
Soils & Crop Nutrition*	40	8
Landscape Surveying & Construction 1*	40	8
Landscape Design History	40	8
Ecology: Principles & Practices	40	8
Work Experience		8
Understanding the Landscape	40	8
** mandatory for this group*		
Or **Garden Design**		
HND Garden Design Integrative Assessment 1*	40	8
HND Garden Design Integrative Assessment 2*	40	8
Soil Management	40	8
Constructing Hard Landscape Features	40	8
Landscape Design History	40	8
Plant Procurement and Specification	40	8
Water Gardens	40	8
Design and Construction of Display Gardens	40	8
** mandatory for this group*		
Year 3		
Core		
Project Specification & Management	40	15
Landscape Planning	40	15
Design for Landscape Management	80	30
Landscape Management - Principles & Practice	80	30
Sub-total	240	90
Electives	80	30
Total	320	120
List of electives in Year 3		
Multi-purpose Woodland Management	40	15
Land & Habitat Restoration	40	15
Ecology: Management & Impacts	40	15
Landscape Surveying & Construction	40	15
Rural Planning & Environmental Impact Assessment	40	15
Year 4		
Students who enrolled on Year 1 of the programme in academic year 2000-01 and who will therefore enter Year 4 in 2003-04 will study the following curriculum:		
Core		
Honours Project	80	30
Landscape Management: A Synthesis	80	30
Professional Practice (inc Law)	40	15
Advanced Design Solutions	40	15
Environmental Impact Assessment	40	15
Sub-total	280	105
Electives	40	15
Total	320	120

Module Title:	Hours	SCOTCAT Credits
List of electives in Year 4		
Crop Enterprise Management	40	15
Land & Habitat Restoration	40	15
GIS & Remote Sensing	40	15
Conservation Ecology	40	15

Students who enrolled on Year 1 of the programme in academic year 2001-02 and thereafter will study the following curriculum:

Core		
Honours Project	80	30
Landscape Management: A Synthesis	80	30
Professional Practice	40	15
Advanced Design Solutions	40	15
Environmental Impact Assessment	40	15
Sub-total	280	105
Electives	40	15
Total	320	120

List of electives in Year 4		
Crop Enterprise Management	40	15
Land & Habitat Restoration	40	15
GIS & Remote Sensing	40	15
Ecology: Issues & Investigations	40	15
Action for Biodiversity	40	15

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each module. Progress will depend upon attaining a satisfactory standard in each module. Where a student has not completed all the course modules relating to the first year he or she may be permitted to progress to the second year of the course provided that he or she has achieved at least 104 SCOTCAT credits. To progress to the third year the student must have achieved 240 SCOTCAT credits.

Year 3:

There shall be up to eight examination papers depending on the electives chosen, and an assessment of course work. Students who attain the requisite standard in the degree examinations and the assessment of course work shall be eligible for the award of the General degree. Alternatively, they shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be up to six examination papers depending on the electives chosen, a dissertation based on the fourth year project, an assessment of course work and a contribution of marks from Year 3. Students who attain the requisite standards shall be eligible for the award of the degree with Honours in accordance with Section 6 of the Resolution.

V DEGREE OF BACHELOR OF TECHNOLOGY

The Degree of Bachelor of Technology is governed by Resolution No.388 of the University Court, which came into effect on 22nd June 1994. The relevant provisions are as follows:

1. The Degree of Bachelor of Technology (BTechnol) may be conferred by the University of Glasgow as a General degree or as a degree with Honours. The degree shall be administered by the Scottish Agricultural College (hereinafter 'the College'). The College shall, subject to Senate's approval where appropriate, be responsible for the content and conduct of programmes and degree examinations and other methods of assessment, the admission and progress of students and related matters. The day-today management of each degree programme shall be the responsibility of a management team appointed by the College.

2. The curriculum for the General degree shall extend over not fewer than three academic sessions of full-time study, and the curriculum for the degree with Honours shall extend over not fewer than four academic sessions of full-time study. The programmes for the degree shall be provided at the College or in the University of Glasgow. Candidates may be permitted to count as qualifying for the degree periods of study undertaken, examinations passed and assessments completed at other institutions approved by the University Court on the recommendation of the College and the Senate; provided always that students whose attendance, examination passes and assessments are thus recognised must attend the College or the University of Glasgow for at least one final year of full time study for the General degree or at least two final years of full time study for the degree with Honours.

3. The University Court may, on the recommendation of the College and the Senate, recognise as teachers for the degree such lecturers and other teaching staff of the College who have responsibility for programmes qualifying for the degree.

4. The College shall recommend to the Senate and the University Court the appointment of examiners for the degree, including at least one external examiner for each programme. The College may recommend as internal examiners, but not as external examiners, for the degree members of the teaching staff of the College who have been recognised as teachers for the degree in terms of section 3 above.

5. Candidates may not present themselves more than once for the Final Honours examination, except by special permission of the Senate on the recommendation of the College.

6. (a) There shall be three classes of Honours, but the examiners may, in their discretion, divide the second class into two divisions. The names of the candidates placed in each class or division, as the case may be, shall be arranged in alphabetical order.

   (b) A candidate who has failed to be placed in any class may, provided that in the opinion of the examiners he or she has given evidence of sufficient attainment, receive from them a certificate entitling him or her to exemption, in whole or in part, from the examinations prescribed for the General degree.

7. If a candidate is adjudged by the Board of Examiners to have been prevented by good cause from completing the assessment for the degree programme (honours or non-honours), then the arrangements set out in the Code of Assessment in the *University Fees and General Information for Students* section of the University *Calendar* shall apply.

8. The progress of all students shall be subject to annual review. Students may be suspended from further attendance on the course if they have failed to satisfy the appropriate management team that they have completed the year's work to a satisfactory standard, in accordance with the arrangements for assessment specified in the Schedule for each course. All decisions by the management team on the progress of students shall be reported to the College.

9. A student who wishes to appeal against any decision affecting his or her studies must do so in writing in accordance with the Code of Procedure for Appeals, which is printed in this section (p. SAC.42) of the University *Calendar.* If the matter cannot be resolved at that level, the student may appeal to the Senate against the decision of the Academic Appeals Committee. The Code of Procedure for Appeals to the Senate is also printed in the University *Calendar*.

10. Students shall be required to comply with such instructions as are prescribed by the management team in charge of the programme concerned. Such instructions may require students: to attend specified lectures, tutorials, laboratory or practical sessions, field courses, examinations and other events; to provide themselves with such books, equipment and other materials as are necessary for the course; to submit items of work, including essays, dissertations and project reports, by such dates as may be instructed. All such instructions shall be given to the students in writing at the beginning of the course concerned. Reasonable notice of any alteration to them will also be given. A student who fails to comply with these instructions may be refused enrolment in and admission to degree examinations in the subject. Work that is submitted later than the date instructed, without an acceptable reason being provided, shall be subject to a reduction in the mark awarded according to a scale given in writing at the beginning of the programme.

11. The programmes and subjects of study for the degree, the arrangements for the assessment of students, and other matters related to the degree, shall be as stated in the Schedules hereto.

SCHEDULE A: DEGREE OF BACHELOR OF TECHNOLOGY IN LEISURE AND RECREATION MANAGEMENT

This programme has been revalidated as the BA Leisure Management (Sport and Recreation). Years 2 and 4 only of BTechnol Leisure and Recreation Management will be offered in 2003-04 so that students who are already enrolled can either complete the whole programme or complete a coherent part of it before transferring to the BA Leisure Management (Sport and Recreation) curriculum.

1. Subjects of Study

The subjects of study for the degree shall be defined in terms of the following course modules. The contact hours shown include lectures, tutorials, practical classes and related assignments.

Module Title:	**Hours**	**SCOTCAT Credits**
Year 1		
Leisure in Practice 1	40	8
Career Planning	20	4
Learning Skills	20	4
Managing Finance in the Leisure Industry	40	8
Marketing Leisure Services 1	40	8
Managing Legal Issues in the Leisure Industry	40	8
Leisure and Society	40	8
Quality Service in the Leisure Industry	40	8
Human Resource Management 1	40	8
Communications: Selecting and Presenting Complex Information	40	8
Information Technology Applications 1	40	8

BTechnol in Leisure and Recreation Management

Module Title:	Hours	SCOTCAT Credits
Workplace Experience	80	16
Sub-total	480	96
Electives	120	24
Total	600	120
List of Electives in Year 1		
Countryside Recreation	40	8
Providing Leisure in the Natural Environment	80	16
Outdoor Sports Surfaces	40	8
Outdoor Pursuits: Management and Practice (Part 1)	80	16
Swimming Pool Lifeguard - Skills and Practice	40	8
Basic Communication in French 1	40	8
Year 2		
Core		
Introduction to the Economics of Leisure & Tourism	40	8
Problem Solving Using Teamwork and Quantitative Methods	40	8
Marketing Leisure Services 2	40	8
Financial Appraisal for the Leisure Industry	40	8
Leisure in Practice 2	40	8
Advanced Information Technology in Business	40	8
Human Resource Management 2	40	8
Leisure Management Project	80	16
Sub-total	360	72
Electives	240	48
Total	600	120
List of Electives in Year 2		
An Introduction to Local Government	80	16
Tourism in a UK Context	80	16
Outdoor Pursuits: Management and Practice (Part 2)	80	16
Leisure and the Community	80	16
Interpretation Techniques and Modern Technology	80	16
Managing an Event	80	16
Designing Play Experiences for Children's Leisure	80	16
Year 3		
Core		
Business & Management Strategies	40	15
Human Resource Strategies	40	15
Economics in the Leisure and Tourism Industries	40	15
Sociology and Geography of Leisure	40	15
Research Methodologies /Work Shadowing Practical	40	15
Sub-total	200	75
Electives	120	45
Total	320	120
List of Electives in Year 3		
Rural Tourism	40	15
Managing Sustainable Tourism	40	15
Introduction to Environmental Planning and Design	40	15
Play Development	40	15
Physiology, Exercise and Health	40	15
Management of Outdoor Pursuits	40	15
Managing the Development of Coaching 1	40	15
Year 4		
Core		
Consumer Studies	40	15
Case Study	40	15
Field Course	40	15
Dissertation	120	30
Sub-total	240	75
Electives	120	45
Total	360	120

Module Title:	Hours	SCOTCAT Credits
List of Electives in Year 4		
European Leisure Management	40	15
Business Tourism	40	15
Rural Planning and Leisure Development	40	15
Heritage Management	40	15
Environmental Impact Assessment	40	15
Leisure Facility Management	40	15
Sports and Recreation Management	40	15
Sociological Issues in Sport and Recreation Provision	40	15
Managing the Development of Coaching 2	40	15

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each course unit. Progress will depend upon attaining a satisfactory standard in each course unit. Where a student has not completed all the course units relating to the first year, he or she may be permitted to progress to the second year of the course, provided that he or she has achieved at least 104 SCOTCAT credits. To progress to the third year, the student must have acquired 240 SCOTCAT credits.

Year 3:

There shall be two two-hour examination papers in Business & Management Strategies/ Human Resource Strategies and Economics in the Leisure and Tourism Industries/ Sociology & Geography of Leisure; one one-hour examination paper in Research Methodologies /Work Shadowing Practical; and three one-hour examination papers in the Electives chosen.

Students who attain the requisite standard in the degree examinations and in the assessment of coursework shall be eligible for the award of the General degree. Alternatively, they shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be three one-and-a-half hour examination papers in Consumer Studies, Field Course and Case Study and Business Development Plan; three one-and-a-half hour examination papers in the Electives chosen; and a dissertation equivalent to two examination papers. Students who attain the requisite standards in the degree examinations and in the assessment of coursework will be eligible for the award of the degree with Honours, in accordance with Section 6 of the Resolution.

SCHEDULE B: DEGREE OF BACHELOR OF TECHNOLOGY IN FOOD TECHNOLOGY

This programme has been revalidated as the BSc Food Science and Technology. Years 2 and 4 only of BTechnol Food Technology will be offered in 2003-04 so that students who are already enrolled can either complete the whole programme or complete a coherent part of it before transferring to the BSc Food Science and Technology curriculum.

1. Subjects of Study

The subjects of study for the Degree of Bachelor of Technology in Food Technology shall be defined in terms of the following modules. The contact hours shown include lectures, tutorials, practical classes and related assignments.

Module Title:	Hours	SCOTCAT Credits
Year 1		
Learning Skills	20	4
Communication: Selecting and Presenting Complex Information	20	4
Problem Solving using Teamwork and Quantitative Methods	20	4
Information Technology Applications 1	40	8
Food Science & Technology: Chemical Composition of Food	40	8
Food Science & Technology: Chemical Analytical Procedures	40	8
The Microbiology of Foods and Food Processing	40	8
Food Hygiene	40	8
Food Processing Services	60	12
Food Raw Materials	40	8
Raw Material Preparation and Preliminary Processing Operations (Food)	40	8
Chilling and Freezing of Foods	40	8
Heat Processing of Foods	40	8
Food Packaging, Storage, Distribution and Retailing	40	8
Food Legislation	40	8

BTechnol in Food Technology

Module Title:	Hours	SCOTCAT Credits
Supervision and Management	40	8
Total	600	120
Year 2		
Core		
Communication: Selecting and Presenting Complex Information	20	4
Problem Solving using Teamwork and Quantitative Methods	20	4
Statistics for Technicians and Managers	40	8
Career Planning	20	4
Nutritional Analysis	40	8
Microbiological Quality Assurance Methods	80	16
Food Processing Control	20	4
Sensory Assessment of Foods	40	8
Quality Assurance Management (Food)	40	8
Food Product Development Principles	40	8
Introduction to Financial Management	40	8
Human Resource Management 1	40	8
Marketing 1 - An Introduction to Principles	40	8
Sub-total	480	96
Electives	120	24
Total	600	120
List of electives in year 2		
either **Dairy Technology**		
Milk Production and Processing	40	8
Fermented Milk Products, Dairy Desserts and Ice Cream	40	8
Concentrates, Dried Milk, Butter and Membrane Separation	40	8
or **Laboratory Design and Operation**		
Laboratory Design and Operation	40	8
QA Technology - Chemical	40	8
QA Technology – Microbiological	40	8
Year 3		
Food Production		
Arable Crops	35	9
Fruit and Vegetables	25	6
Milk	25	6
Meat	25	6
Poultry	25	6
Fish & Shellfish	15	4
Factory Visits	25	6
Sub-total	175	43
Food Quality		
Quality Management	40	12
Human Nutrition	40	10
Food Legislation and Standards	30	9
Pollution and Waste Management	20	5
Food Hygiene	35	10
Sub-total	165	46
Business Management		
Management Skills	20	5
The UK Agri-Food Industries	30	8
Economics and the Business Environment	30	8
Food and Agri-Business Marketing	40	10
Sub-total	120	31
Total	460	120
Year 4		
Advanced Analysis	40	13
Information Technology and Data Handling	40	13
Consumer Studies	40	14
Food Structure and Microscopical Evaluation	40	13
Financial Management	20	7
Honours Project	180	60
Total	360	120

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each module. Progress will depend upon attaining a satisfactory standard in each module. Where a student has not achieved all the modules relating to the first year, he or she may be permitted to progress to the second year of the course, provided that he or she has achieved at least 104 SCOTCAT credits. To progress to the third year, the student must have acquired 240 SCOTCAT credits.

Year 3:

There shall be three examination papers and an assessment of class work, all given equal weighting. Students who attain the requisite standard in the degree examinations and the assessment of class work shall be eligible for the award of the General degree. Alternatively, they shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be three examination papers, a practical research project and an assessment of class work. The project will be given double weighting therefore contributing 33% to the final mark. Students who attain the requisite standards will be eligible for the award of the degree with Honours, in accordance with Section 6 of the Resolution.

SCHEDULE C: DEGREE OF BACHELOR OF TECHNOLOGY IN AGRICULTURE

This programme has been revalidated as the BSc Agriculture. Years 2 and 4 only of BTechnol Agriculture will be offered in 2003-04 so that students who are already enrolled can either complete the whole programme or complete a coherent part of it before transferring to the BSc Agriculture curriculum.

Module Title:	**Hours**	**SCOTCAT Credits**
Year 1		
Rural Issues		
Land Use in the Countryside	40	8
Workplace Health and Safety	40	8
Sub-total	80	16
Crop Technology		
Arable Crop Enterprise Production	80	16
Grass and Forage Crop Production	40	8
Sub-total	120	24
Livestock Technology		
Livestock Breeding and Health	40	8
Livestock Feeding and Rationing	60	12
Livestock Production Systems	80	16
Sub-total	180	32
Mechanisation		
Field Crop Mechanisation	80	16
Vehicle Operation	40	8
Farm Buildings Utilisation	20	4
Sub-total	140	28
Business Management		
Farm Enterprise Record-Keeping	20	4
Communication and Personal Skills		
Information Technology Applications	40	8
Learning Skills	20	4
Sub-total	60	12
Total	600	120
Year 2		
Core		
General		
Career Planning	20	4
Rural Work Experience	40	8
Problem Solving Using Teamwork and Quantitative Methods	40	8
Communication: Selecting & Presenting Complex Information	40	8
Pollution Control and Waste Management	40	8
Wildlife and Countryside Conservation	20	4
Sub-total	200	40
Mechanisation		
Mechanisation Management	20	4

BTechnol in Agriculture

Module Title:	Hours	SCOTCAT Credits
Business Management		
Farm Business Record-Keeping	40	8
Farm Business Analysis	40	8
Farm Planning, Budgeting and Control	40	8
Agri-Business Case Study	40	8
Human Resource Management	20	4
Sub-total	180	36
Crop Technology		
Integrated Crop Protection	40	8
Livestock Technology		
Animal Production, Science & Technology	40	8
Electives	120	24
Total	600	120
List of Electives for Year 2		
Livestock Enterprise Management	60	12
Hill Farming Systems	20	4
Advanced Grassland Management	20	4
Crop Yield and Quality	40	8
Potato Production and Storage	40	8
Planning Agricultural Water Management Systems	20	4
The Planning and Construction of Rural Buildings	40	8
Controlled Environment Buildings	20	4
Investment Appraisal, Finance and Equipment Replacement	40	8
Business Taxation	20	4
Marketing Management in Agriculture	40	8
Farming Systems in Europe	40	8
Farm Diversification	20	4
Farm Woodland	20	4
Organic Farming Systems	40	8
Year 3		
Communication and Numerical Skills		
Data Analysis	30	8
Communication Skills and Information Technology	30	8
Sub-total	60	16
Business Management		
Management Skills	20	8
Economics and the Business Environment	30	8
Commodity Markets	30	8
Sub-total	80	22
Mechanisation Management		
Resource Management	20	5
Sub-total	20	5
Quality Aspects of Food Production		
Crop Production	80	22
Scientific Aspects of Livestock Production	80	22
The UK Agri-Food Industries	40	11
Food Processing Technology	60	17
Human Nutrition	20	5
Sub-total	280	77
Year 4		
Core		
Environmental Management and Planning	40	13
Financial Management	20	6
Rural Business Law	20	6
Food and Agri-Business Economic Policy	40	13
Food and Agri-Business Marketing	40	13
Sub-total	160	57
Project	120	43
Electives	80	26
Total	360	120

Electives in Year 4
The student is required to take two modules, including at least one from Group A

Group A		
Applied Crop Technology	40	13
Applied Livestock Technology	40	13
Group B		
Value Added and Diversification - Crop	40	13
Value Added and Diversification - Livestock	40	13

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each course unit. Progress will depend upon attaining a satisfactory standard in each course unit. Where a student has not achieved all the course units relating to the first year, he or she may be permitted to progress to the second year of the course, provided that he or she has achieved at least 104 SCOTCAT credits. To progress to the third year, the student must have acquired 240 SCOTCAT credits.

Year 3:

There shall be four examination papers and an assessment of class work equivalent to one examination paper. Students who attain the requisite standard in the degree examinations and the assessment of class work shall be eligible for the award of the General degree. Alternatively, they shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be three examination papers, a project equivalent to one examination paper and an assessment of class work equivalent to one examination paper. Students who attain the requisite standards will be eligible for the award of the degree with Honours, in accordance with Section 6 of the Resolution.

SCHEDULE D: DEGREE OF BACHELOR OF TECHNOLOGY IN COUNTRYSIDE MANAGEMENT

This programme has been revalidated as the BSc Countryside Management. Years 2 and 4 only of BTechnol Countryside Management will be offered in 2003-04 so that students who are already enrolled can either complete the whole programme or complete a coherent part of it before transferring to the BSc Countryside Management curriculum.

1. Subjects of Study

The subjects of study for the degree shall be defined in terms of the following modules. The contact hours shown include lectures, tutorials, practical classes and related assignments.

Module Title:	**Hours**	**SCOTCAT Credits**
Year 1		
All Core		
Biology: An Introduction	40	8
Ecology and Habitats: An Introduction	40	8
Nature Conservation: An Introduction	40	8
Identification Skills for the Living World	40	8
Environmental Interpretation: An Introduction	80	16
Countryside Recreation	40	8
Management of Countryside Activities	40	8
Earth Science: An Introduction	40	8
Land-use Systems, Development & Policy	40	8
History and Archaeology: An Introduction	40	8
Understanding the Landscape	40	8
Communication - Selecting and Presenting Complex Information	40	8
Information Technology Applications 1	40	8
Learning Skills	20	4
Career Planning	20	4
Total	600	120
Year 2		
Core		
Habitat Management	40	8
Ecology: Organisms and Environment	40	8
Ecological Surveying	40	8
Applied Environmental Interpretation	80	16
Environmental Education: Advocacy and Opportunities	40	8
Countryside Visitor Provision	40	8
Regulatory Affairs in the Environment	40	8
Land-use Practice	40	8

Module Title:	**Hours**	**SCOTCAT Credits**
Countryside Issues (Study Tour)	40	8
Problem Solving using Teamwork and Quantitative Methods	40	8
Environmental Awareness	40	8
Quality Service in the Leisure Industry	40	8
Developing Personal Effectiveness	40	8
Sub-total	560	112
Electives	40	8
Total	600	120
List of Electives in Year 2		
Basic Communication in French 1	40	8
Advanced Information Technology in Business	40	8
Year 3		
All Core		
Conservation Ecology	40	11
Conservation Management Planning	40	11
Applied Ecological and Landscape Survey	40	11
Interpretive Planning and Evaluation	40	11
Management Studies	40	11
Environmental Community Participation	40	11
Environmental Education: Policy and Practice	40	11
Freshwater Environments	40	11
Introduction to Environmental Planning	20	5.5
Landscape Ecology and Biogeography	20	5.5
Advanced Communication	40	11
Environmental Issues	20	5.5
Data Analysis	20	4.5
Total	440	120
Year 4		
Core		
Environmental Philosophy, Politics and Economics	40	11
Psychology of Countryside Use	40	11
Integrated Management Planning Case Study	40	11
Research Methods for Dissertations	10	3
Dissertation	120	40
Sub-total	250	76
Electives	160	44
Total	410	120
List of Electives in Year 4		
Species Conservation	40	11
Marine Biology and Conservation	40	11
Woodland Management	40	11
Issues in Interpretation	40	11
Managing Sustainable Tourism	40	11
Earth Science Conservation	40	11
Historical Geography	40	11
Land and Habitat Restoration	40	11

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each course unit. Progress will depend upon attaining a satisfactory standard in each course unit. Where a student has not completed all the course units relating to the first year he or she may be permitted to progress to the second year of the course provided he or she has achieved at least 104 SCOTCAT credits. To progress to the third year the student must have acquired 240 SCOTCAT credits.

Year 3:

There shall be nine examination papers and an assessment of course work. Students who attain the requisite standard in the degree examinations and the assessment of course work shall be eligible for the award of the General degree. Alternatively, shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be six examination papers, a fourth year dissertation and an assessment of course work. Students who attain the requisite standards will be eligible for the award of the degree with Honours in accordance with Section 6 of the Resolution.

SCHEDULE E: DEGREE OF BACHELOR OF TECHNOLOGY IN RURAL RECREATION AND TOURISM MANAGEMENT

This programme has been revalidated as the BA Rural Recreation and Tourism Management. Years 2 and 4 only of BTechnol Rural Recreation and Tourism Management will be offered in 2003-04 so that students who are already enrolled can either complete the whole programme or complete a coherent part of it before transferring to the BA Rural Recreation and Tourism Management curriculum.

1. Subjects of Study

The subjects of study for the degree shall be defined in terms of the following modules. The contact hours shown include lectures, tutorials, practical classes and related assignments.

Module Title:	**Hours**	**SCOTCAT Credits**
Year 1		
Core		
A Practical Approach to Rural Tourism	40	8
Managing Finance in the Leisure Industry 1	40	8
Quality Service in the Leisure Industry	40	8
Food Safety and Catering Hygiene	20	4
Countryside Recreation	40	8
Buildings and Regulations in the Countryside	40	8
Information Technology Applications 1	40	8
First Aid	20	4
Communication: Selecting and Presenting Complex Information	40	8
Learning Skills	20	4
Career Planning	20	4
Sub-total	360	72
Electives	240	48
Total	600	120
List of Electives in Year 1		
Equitation for the Leisure Industry	120	24
Outdoor Pursuits Management: Theory & Practice 1	80	16
Land Use Systems, Development and Policy	40	8
Introduction to Coaching and Leadership	40	8
Basic Communication in French 1	40	8
Heritage Studies	40	8
Catering Services for Tourism	40	8
Year 2		
Core		
Tourism: In a UK context	80	16
Marketing Leisure Services 1	40	8
Introduction to the Economics of Leisure and Tourism	40	8
Enterprise for Rural Tourism	80	16
Human Resource Management 1	40	8
Problem Solving using Teamwork and Quantitative Methods	40	8
Advanced Information Technology in Business	40	8
Providing Leisure in the Natural Environment	80	16
Sub-total	440	88
Electives	160	32
Total	600	120
List of Electives in Year 2		
Managing an Event	80	16
Selection of the horse	40	8
Equine Nutrition	40	8
Planning Equine Facilities	40	8
Equine Anatomy, Physiology and Health	60	12
Advanced Equitation: Riding Techniques on the Flat	60	12
Advanced Equitation: Riding Techniques over Fences	60	12
Tourism Accommodation	40	8
Rural Retailing Enterprises	40	8
Interpretation Techniques and Modern Technology	80	16
Outdoor Pursuits Management: Theory & Practice 2	80	16

Module Title:	**Hours**	**SCOTCAT Credits**
Intermediate Land based Outdoor Pursuits	40	8
Intermediate Water Based Outdoor Pursuits	40	8
History and Archaeology: An Introduction	40	8
Nature Conservation: An Introduction	40	8
Year 3		
Core		
Marketing for Rural Businesses	40	15
Business and Management Strategies	40	15
Economics in the Leisure and Tourism Industries	40	15
Visitor Management	40	15
Managing Sustainable Tourism	40	15
Information Management	40	15
Sub-total	240	90
Electives	80	30
Total	320	120
List of Electives in Year 3		
Interpretive Planning and Evaluation	40	15
Scottish Rural Tourism	40	15
Management of Outdoor Pursuits	40	15
Managing the Development of Coaching 1	40	15
Equine Management 1	40	15
Introduction to Environmental Planning and Design	40	15
Year 4		
Core		
Rural Planning and Tourism Development	40	15
Rural Tourism Field Study	40	15
Rural Business Development Case Study	40	15
Rural Tourism Management Dissertation	120	45
Sub-total	240	90
Electives	80	30
Total	320	120
List of Electives in Year 4		
Tourism and Popular Culture	40	15
Rural Tourism in a Global context	40	15
Heritage Management	40	15
Adventure Tourism Management	40	15
Managing the Development of Coaching 2	40	15
Equine Management 2	40	15

2. Assessment

The arrangements for assessment and examination shall be as follows:

Years 1 and 2:

There shall be continuous assessment of students in each course unit. Progress will depend upon attaining a satisfactory standard in each course unit. Where a student has not completed all the course units relating to the first year he or she may be permitted to progress to the second year of the course provided he or she has achieved at least 104 SCOTCAT credits. To progress to the third year the student must have acquired 240 SCOTCAT.

Year 3:

There shall be up to eight examination papers depending on the electives chosen, and an assessment of course work. Students who attain the requisite standard in the degree examinations and the assessment of course work shall be eligible for the award of the General degree. Alternatively, they shall be eligible to proceed to a fourth year leading to the degree with Honours.

Year 4:

There shall be four examination papers, a fourth year dissertation and an assessment of course work. Students who attain the requisite standards will be eligible for the award of the degree with Honours in accordance with Section 6 of the Resolution.

VI CODE OF PROCEDURE FOR APPEALS

Preamble

1 The Senate of the University of Glasgow is charged by the Universities (Scotland) Act with a duty to superintend the teaching of the University. This is understood to include examining.

2 The Senate of the University of Glasgow has agreed with the Principal of the Scottish Agricultural College (hereinafter referred to as 'SAC') that a procedure be established to dispose of appeals by students pursuing courses at SAC which lead to an award of the University of Glasgow. The validity of this procedure has been accepted by the Senate of the University and by the Executive Management Team of SAC.

3 The procedure is set out in the remainder of this document.

Constitution of the Appeals Committee

4 The Executive Management Team of SAC shall establish an Academic Appeals Committee (hereafter referred to as 'the Committee').

5 Full powers for deciding appeals are vested in the Committee.

6 The Committee shall consist of the Head of the Education and Training Division [Convener], the Assistant Principal (Education), Education Group Managers, and at least one representative of the Senate of the University of Glasgow.

7 No member shall sit in judgement on a case in which he or she has any interest.

8 The quorum for a meeting of this Committee, including the Convener, shall be five.

9 No member of the Senate Appeals Committee or the University Court shall be entitled to serve on the Committee. Where a member of the Academic Appeals Committee has participated directly in the decision appealed against, that member shall not sit for that individual appeal.

Jurisdiction

10 The jurisdiction of the Committee shall comprise all academic decisions affecting students, but not proceedings under the Code of Discipline or the Complaints Procedure. This includes Examinations Board decisions on student progress and final Degree Examinations.

Basis of Appeal

11 No appeal may be made on matters of academic judgement: in particular, no appeal may be made by any candidate against the academic judgement of an Examinations Board on the examination results.

12 An appeal may be considered only in matters of procedure, namely:

(a) that there is new information that for good and proper reason was not available to the Examinations Board(s) at the time when they reached their decision on a particular student.

An appellant who wishes to appeal on medical grounds should obtain a medical certificate promptly, and should, if possible, submit it to the Academic Services Manager with the note of appeal, and in any case no later than the hearing.

(b) that the conduct of the assessment was not in accordance with the approved assessment arrangements for the course.

(c) that the candidate was given misleading written information concerning the nature of the examination and its requirements.

Lodging of Appeal

13 The grounds of appeal against the decision of the Examinations Board shall be clearly set out in writing and submitted to the Committee through the Academic Services Manager within ten working days following intimation or publication of the decision.

14 *Content of Note of Appeal*. The note of an appeal must state:

(a) the name, address and, if possible, telephone number of the appellant.

(b) the grounds on which the student considers that the decision should be revised.

(c) the remedy, or remedies, which the student seeks.

(d) whether the student wishes to speak at a hearing.

(e) whether the student intends to be assisted or represented by any person, and if so the name and occupation of that person.

Time of Meeting

15 The Committee shall meet within ten working days of receipt of the note of appeal, or as soon as practicable thereafter.

Preliminary Disposal

16 Upon receipt of a written appeal, the Head of the Education and Training Division, after consultation with two members of the Committee, may:

(a) dismiss the appeal because the appeal is out of time, or provides no sufficient grounds for an appeal, or is frivolous or vexatious; or

(b) refer the Appeal to the Committee.

Appeals Procedure

17 The Committee may decide for or against an appeal on the basis of written evidence, but will be required to see the student in question should he or she wish to argue the case personally. The Committee will also be required to consider the evidence submitted by any person indicated by the student and to see that person if the student so requests. However, the Committee may proceed to hear an appeal in the event of any person failing to attend at the appointed time.

18 The Committee will have discretion to limit the number of persons to be heard if the evidence to be given by them is deemed to be similar in nature.

19 A student interviewed by the Committee may if he or she wishes be accompanied by a friend or adviser, as may any member of staff interviewed by the Committee.

Appeals from Students in Years other than the Final Year

20 In cases of appeals from students in years other than the final year, the Committee shall decide on the merit of each appeal and advise the Programme Leader and the appropriate Examinations Board of the decision reached.

21 The Committee must give the relevant Examinations Board an account of the reasons which led to its decision, but excluding any information which the appellant has clearly indicated to be of a confidential nature and to be heard by the Committee only. The power of the Committee shall not be used to overturn an academic decision that a student has failed, but will enable the Committee to rule that a student be granted a repeat year or similar chance to retrieve failure.

22 The Secretary of the Committee will communicate the ruling to the Examinations Board and to the student who, failing production of fresh evidence, will be required to accept this decision.

Appeals in the Final Year

23 Except as provided in 5.26, no decisions of an Examinations Board to which the External Examiners have given their approval explicitly or implicitly can be modified by any authority within SAC without the External Examiners' concurrence.

24 The Committee may require an Examinations Board to reconsider its decision on a final examination result in the circumstances detailed in paragraph 5.12 (a), (b) and (c).

25 In the circumstances detailed in 5.12 (a), the matter will be referred back to the Examinations Board, with a recommendation and a supporting statement giving the reasons for this recommendation. As with appeals in earlier years, any information will be excluded from the supporting statement which the appellant has clearly indicated to be of a confidential nature to be heard by the Committee only.

26 If after reconsideration, in the circumstances detailed in 5.12 (b) and (c), the Examinations Board does not modify its decision, the Executive Management Team may annul that decision if in its opinion account has not been taken of the relevant factors as specified in 5.12 (b) and (c).

Appeal against a decision of the Committee

A student who is matriculated for an award of the University of Glasgow, may appeal against a decision of the Academic Appeals Committee of SAC, but only in terms of the University Code of Procedure for Appeals to Senate. A copy of the Code will be found in the Fees and General Information section of the University of Glasgow *Calendar*.

The Senate Appeals Committee will entertain an appeal against the decision of the Academic Appeals Committee of SAC only on the grounds that:

(i) new evidence has emerged which could not reasonably have been produced to the SAC Committee;

(ii) there have been defective procedures at SAC level;

(iii) the disposal by SAC was clearly unreasonable.