

PROGRAMME SPECIFICATION

1	Awarding Institution	Newcastle University
2	Teaching Institution	Newcastle University
3	Final Award	Master of Science
4	Programme Title	MSc in Planning for Sustainability and Climate Change
5	Programme Code	
6	Programme Accreditation	Royal Town Planning Institute
7	QAA Subject Benchmark(s)	Town Planning
8	FHEQ Level	7
9	Last updated	May 2010

10 Programme Aims

- 1 To provide students with the education component of the requirements for membership of the Royal Town Planning Institute.
- 2 To equip students with a systematic understanding of town planning that enables them to critically engage with current problems and practices of the discipline
- 3 To provide a specialist advanced inter disciplinary education in planning for sustainability.
- 4 To develop to a high level both transferable and subject specific skills in planning for sustainability
- 5 To critically evaluate current research and to create knowledge through enhanced research skills
- 6 To critically engage with the complexity of decision making in the discipline and to demonstrate how the values and ethics of working as a professional planner inform sound judgements
- 7 To meet the criteria for Masters level qualifications as laid down in the QAA's national Qualifications Framework
8. To comply with University policy and QAA codes of Practice

11 Learning Outcomes

The programme provides opportunities for students to develop and demonstrate a deep and systematic knowledge and understanding, qualities, skills and other attributes in the planning for climate change. The programme outcomes have references to the benchmark statements for Town Planning and to the learning and skills outcomes specified by the Royal Town Planning Institute. All modules are core.

Knowledge and Understanding

On completing the programme students should:

- A1. Demonstrate systematic understanding of planning as a form of action concerned with managing and creating space and place
- A2. Critically evaluate current arguments for planning and intervention on climate change by planners as a form of action within processes of change
- A3. Demonstrate a systematic understanding of planning as a social science discipline and as a discipline that integrates concern with design and place, economic issues relating to development, environmental challenges and legal and institutional frameworks
- A4. Demonstrate a systematic understanding of the political nature of decision-making in planning and the significance of diversity issues, stakeholder involvement and rights in the planning process
- A5. Demonstrate a comprehensive understanding of the complexities of planning for climate change and be able to critically evaluate current research and approaches to addressing these issues
- A6. Demonstrate a critical engagement with theory and make creative connections between theory and professional practice.
- A7. Demonstrate a critical understanding of values, ethics and professionalism in planning and be able to exercise sound judgement when confronted by complex issues.

A8. Demonstrate depth of knowledge in relation to a specialist knowledge area within planning for sustainability.

Teaching and Learning Methods

Learning outcome	Where taught (Compulsory and Option Pathways)	How taught	How are students enabled to learn
A1	<p>Compulsory TCP 7021 Spatial Strategies (20); TCP 8001 Planning Frameworks(10); TCP 8932 Planning for Climate Change (10); TCP 8931 Sustainable Built Environment (10);</p> <p>Option Pathway TCP 8921 Planning in Developing Countries (10);</p>	<p>Project work, presentations</p> <p>Lectures, seminars</p> <p>Lectures, seminars</p> <p>Seminars, discussion groups, project work</p> <p>Lectures, discussion groups</p>	<p>feedback</p> <p>Independent reading, Blackboard material , feedback</p> <p>Independent reading, Blackboard material, feedback</p> <p>Independent reading, Blackboard material, feedback</p> <p>Independent reading, Blackboard material, feedback</p>
A2	<p>Compulsory TCP 8932 Planning for Climate Change (10); TCP 8933 Planning for Climate Change 2 (10); TCP 8931 Sustainable Built Environment (10); TCP 8001 Planning Frameworks (10);</p> <p>Option ACE 8028 Environmental Assessment (10)</p>	<p>Lectures, seminars</p> <p>Lectures, project work</p> <p>Lectures, seminars, discussion groups, project work</p> <p>Lectures, seminars</p> <p>Lectures, practicals, fieldwork</p>	<p>Independent reading, Blackboard material</p> <p>Independent reading, Blackboard material, feedback</p> <p>Independent reading, Blackboard material, feedback</p> <p>Independent reading, Blackboard material, feedback</p> <p>Independent reading, Blackboard material, feedback, peer support</p>
A3	<p>Compulsory TCP 8932 Planning for Climate Change (10); ACE 89021 Sustainable Development and Environmental Change (10);</p> <p>Option Pathway LAW 8058 Science, Environmental Law and Policy (20); LAW 8059</p>	<p>Lectures, seminars,</p> <p>Lectures, seminars , tutorials</p> <p>Seminars</p> <p>Seminars</p>	<p>Independent reading, Blackboard material</p> <p>Independent reading, Blackboard material, feedback, tutorial</p> <p>Independent reading, Blackboard material, feedback</p> <p>Independent reading, Blackboard material, feedback</p>

	Assessment (10)		
A6	Compulsory TCP 8932 Planning for Climate Change (10) Option BIO 8004 Environmental Impact Assessment (10)	Lectures, seminars tutorials	Independent reading, Blackboard material, feedback Independent reading, Blackboard material, feedback
A7	Compulsory TCP 8902 Reflexive Practitioner (10); Option Pathway TCP 8921 Planning in Developing Countries(10)	Lectures, case studies, discussion groups, debates Lectures, seminars	Independent reading, Blackboard material , feedback Independent reading, Blackboard material, feedback
A8	Compulsory TCP 8099 Dissertation(60) Option Pathway TCP8096 Issues In Landscape Planning 1 (10); TCP 8097 Issues in Landscape Planning 2 (10); TCP 8921 Planning in Developing Countries (10); TCP8920 Planning in Developing Countries Project (10); LAW 8058 Science, Environmental Law and Policy (20); LAW 8059 Regulatory Challenge of Climate Change (10);	Workshops, tutorials, Lectures, field work, group learning Lectures, project work, tutorials Lectures, discussion groups Field study, tutorials Seminars Seminars	Independent reading, Blackboard material ,feedback, APL lunchtime seminar series Independent reading, Blackboard material, feedback Independent reading, Blackboard material, feedback Independent reading, Blackboard material, feedback Independent reading, Blackboard material, feedback, tutorials Independent reading, Blackboard material, feedback Independent reading, Blackboard material, feedback

The primary means of conveying knowledge and understanding is through lectures (A1-8). Lectures are interactive with discussion groups. Where 2 hour classes are used the second hour is often used for discussion groups or student led seminars or debates.

A1 is taught through 2 x 10 credit lecture based module and 1 x 20 credit group project module

A2 is taught mainly through 3 x 10 credit lecture based modules.

A3 is taught through 2 x 10 credit lecture based modules supported by seminars and tutorials. Students taking the law pathway take 1 x 20 credit and 1 x 10 credit seminar based modules

A4 is explored through 2 x 10 credit lecture based modules that are supported by interaction in the form of seminars or tutorials

A5 is taught in 3 x 10 credit lecture based modules . Students taking the landscape pathway take 1 x 10 credit lecture and group learning based module and 1 x 10 credit project module
A6 is taught through 1 x 10 credit lecture based module supported by seminars
A7 is developed through 2 x 10 credit lecture based modules supported by discussion groups
A8 is taught primarily through the tutorial support for the dissertation but all Option Pathway pathways (law, planning in developing countries and landscape) deepen specialist knowledge.

Assessment Strategy

Knowledge and understanding are assessed mainly through forms of written work: essays, unseen examination, reports, planning strategies, research proposals, dissertation.

Intellectual Skills

On completing the programme students should be able to:
B1 Define and analyse complex problems effectively and appropriately
B2 Make effective use of evidence and information in both problem analysis and propose creative and effective strategies and solutions
B3 Articulate reasoned arguments to specialist and non specialist audiences
B4 Develop high level research skills and experience in the context of the university’s research interests in sustainability and climate change

Teaching and Learning Methods

<p>B1</p>	<p>Compulsory TCP 7021 Spatial Strategies (20) TCP 8932 Planning for climate Change(10) ACE 8021 Sustainable Development and Environmental Change (10); TCP 8933 Planning for Climate Change 2 (10); TCP 8931 Sustainable Built Environment (10) Option Pathways TCP8096 Issues In Landscape Planning 1 (10); TCP 8921 Planning in Developing Countries (10) ; LAW 8058 Science, Environmental Law and Policy (20); Option CME 8019 Energy Management (10); BIO 8004 Environmental Impact Assessment (10); ACE 8028 Environmental Assessment (10)</p>	<p>Group discussions, presentations, independent reading; seminars, independent reading; seminars, tutorials; field work, group learning; discussion groups, project work Seminars; Seminars; Seminars; Lectures, seminars; Tutorials, case studies; Practicals, fieldwork;</p>
<p>B2</p>	<p>Compulsory TCP 8911 Evaluation, Analysis and Research (10); TCP 7021 Spatial Strategies (20); ACE 8021 Sustainable Development and Environmental Change (10); Option Pathways TCP 8097 Issues in Landscape Planning 2 (10); TCP8920 Planning in Developing Countries Project (10); LAW 8058 Science, Environmental Law and Policy (20);</p>	<p>Tutorials; Project work, presentation, feedback; Seminars, tutorials; Tutorials, project work; Field work, tutorials; Seminars;</p>

	LAW 8059 Regulatory Challenge of Climate Change (10); Option CME 8019 Energy Management (10); BIO 8004 Environmental Impact Assessment (10); ACE 8028 Environmental Assessment (10)	Seminars; Seminars; Tutorials; Practicals, fieldwork;
B3	Compulsory TCP 7021 Spatial Strategies (20); TCP 8902 Reflexive Practitioner (10); TCP 8931 Sustainable Built Environment (10); Option Pathways all	Presentations, reports; Discussion groups, debates; Seminars, discussion groups, project work; Seminars, discussion groups, project work;
B4	Compulsory TCP 8911 Evaluation, Analysis and Research (10) TCP 8099 Dissertation(60)	Lectures, proposal, feedback; Workshops, tutorials;

B1 and 2 are developed through lectures 5 x 10 credits and 1 x 20 credit project module. All of these modules have embedded opportunities for interactive learning that include seminars, group discussions, presentations and tutorials. Students are encouraged to use independent reading to deepen their knowledge.

B3 is developed in 1 x 10 credit module that uses discussion groups to explore ethical and political dimensions and 1 x 20 credit project module. All Option Pathways offer opportunities for further deepening of this skill.

B4 research skills are developed through 1 x 10 credit module and then through the individual dissertation. Students are expected to undertake independent research (which may be empirical) having framed research questions. This process is supported by tutorials and group workshops where necessary. In all project work there are elements of research skill development.

Assessment Strategy

B1 is assessed through essays, small group project work, project bids, presentations and a large project. B2 is assessed through a range of written work- essays, reports, research proposals and through oral presentation.

B3 is assessed through essays and reports for 10 credit modules and a presentation and report for the 20 credit project module. Option Pathway projects assess through essays and project reports. The law pathway assesses this skill through unseen examinations

B4 is assessed through the written proposal for the final dissertation and the subsequent dissertation of 15-20,000 words.

Practical Skills

On completing the programme students should be able to:

C1 Formulate and propose cogent policies and strategies as responses to climate change and the need to plan for sustainability.

C2 Evaluate and effectively utilise a variety of plan and policy making methods and processes

C3 Identify key stakeholders within the built environment and formulate appropriate engagement strategies

Teaching and Learning Methods

C1	Compulsory TCP 7021 Spatial Strategies (20); TCP 8931 Sustainable Built Environment (10); TCP 8933 Planning for Climate Change 2 (10); ACE 8021 Sustainable Development & Environmental Change (10) Option BIO 8004 Environmental Impact Assessment	Site visits, group discussions; Group work; Group work; Seminars, tutorials; Tutorials, case studies;
C2	Compulsory TCP 7021 Spatial Strategies (20) TCP 8931 Sustainable Built Environment (10);	Site visits, group discussions; Group work;

	TCP 8933 Planning for Climate Change 2 (10); Option Pathway TCP 8097 Issues in Landscape Planning 2 (10) TCP8920 Planning in Developing Countries Project (10); LAW 8059 Regulatory Challenge of Climate Change (10) Option ACE 8028 Environmental Assessment (10)	Group work; Project work; Field work; Seminars , case studies; Fieldwork, practicals;
C3	Compulsory TCP 7021 Spatial Strategies (20); TCP 8931 Sustainable Built Environment (10); Option Pathway TCP8920 Planning in Developing Countries Project (10);	Site visits, group discussions, group work; Field work, tutorials;

C1, 2 and 3 are developed through largely through 1 x 20 credit group project module and 1 x 10 credit group project module and through project based work embedded within lecture based modules. Seminar and group and individual tutorials also develop these skills.
All Option Pathway pathways offer enhanced learning opportunities for C2 through group work, field work or seminars around case studies.

Assessment Strategy

C1,2 and 3 are assessed through project reports that incorporate oral presentations, group folders and schematic plans. In ACE 8021 Sustainable Development & Environmental Change students prepare a bid for a project as if to a major funder
In Option Pathway pathways these skills are assessed through major group or individual projects. The law pathways is assessed by unseen exams that use case studies.

Transferable/Key Skills

On completing the programme students should be able to:
D1 Effectively and fluently communicate information, ideas, principles, arguments, and proposals through written, graphic, oral and electronic means, and demonstrate effectively written, numeracy, oral, IT and information literacy skills
D2 Work effectively as individuals and as team members.
D3 Develop effective self management skills such as priority setting and time management

Teaching and Learning Methods

D1	All modules	Independent reading, Blackboard material, Tutorial system, groups discussions, Writing development centre
D2	All modules	Independent reading, Blackboard material, Tutorial system, groups discussions.
D3	Compulsory TCP 8911 Evaluation, Analysis and Research (10) TCP 7021 Spatial strategies Project (20); TCP8933 Planning for Climate Change 2 (10); Option Pathway TCP 8097 Issues in Landscape Planning 2 (10); TCP8920 Planning in Developing Countries Project (10);	Independent reading, Tutorial Blackboard material; Group discussions, site visits; Group work; Project work; Field work, tutorials;

D1 is developed through lectures on policy and documentation; feedback on all assessed work; writing workshops, examples of good academic work. Students with specific needs are encouraged to use the Writing Development Centre.

D2 is developed through individual study and through group work on project modules and student led

discussion groups and seminars

D3 is developed through the intensive nature of the programme and supported by tutorial meetings.

Assessment Strategy

D1 is assessed through a range of assignments that test written skills, argumentation, graphical, numeric, ability to present orally.

D2 is assessed through group and individual projects and culminates in the dissertation.

D3 is assessed through contribution to project work, seminar performance and self directed study for the dissertation.

12 Programme Curriculum, Structure and Features

Basic structure of the programme

The programme consists of 180 credits across 2 semesters and the summer months. The programme aims to build Compulsory knowledge and skills and spatial planning and specialist planning knowledge and skills in planning for sustainability. The latter is emphasised by specialist pathways and a dissertation.

The Compulsory programme consists of;

Semester 1- 4 x 10 credit modules which are lecture based supported by seminars and discussion groups assessed largely by individual submissions.

Semester 2- 2 x 10 credit lecture based modules supported by seminars and discussion groups and assessed by individual submissions and 1 x 10 credit small group project module and 1 x 20 group project.

The Compulsory programme: Semester 1

Module code	Module name	Existing/new	credits
TCP 8001	Planning frameworks	E	10
TCP 8911	Evaluation, Analysis and Research	E	10
TCP 8932	Planning for climate change	N	10
ACE 8021	Sustainable Development & Environmental Change	E	10

Semester 2

Module code	Module name	Existing/new	credits
TCP 8933	Planning for climate change 2	N (variant on existing TCP 8002)	10
TCP 7021	Spatial Strategies Project	E	20
TCP 8902	Reflexive Practitioner	E	10
TCP 8931	Sustainable Built Environment	N	10

In addition students will choose One of Three specialist pathways that are in the case of landscape and planning for developing countries lectures supported by discussion groups in semester 1 that have individual submissions and project based in semester 2 with individual or group submissions. The law pathway works entirely through seminars assessed by unseen examinations.

Semester 1: Students will choose one of the following

Theme	Module code	Module name	Existing	Credits
Landscape	TCP 8096	Issues in Landscape	E	10
Developing world	TCP 8921	Planning in Developing Countries	E	10
Regulatory controls	LAW 8058	Science, Environmental Law and Policy	E	20

Semester 2

Dependent on their first semester choice students will take one of the following in semester 2

	Module code	Module name	Existing	Credits
Landscape	TCP 8097	Issues in Landscape	E	10

Developing world	TCP 8920	Planning in Developing Countries	E	10
Regulatory controls	LAW 8059	Regulatory Challenge of Climate Change	E	10

Except where students have chosen the Law pathway students may take one x 10 lecture based module in either semester with individual submissions.

Semester 1	Module code	Module name	Existing	Credits
	TCP 8096	Issues in Landscape	E	10
	TCP 8920	Planning in Developing Countries	E	10
	ACE 8028	Environmental Assessment: Land & Water Resources	E	10
Semester 2	CME 8019	Energy Management	E	10
	BIO 8004	Environmental Impact Assessment	E	10

Key features of the programme (including what makes the programme distinctive)

Newcastle is the only planning school between Leeds and Scotland and is seen by virtue of its history, its scholarship both past and present and its relationship to the planning profession as a leading school for planning education. The proposed programme offers true inter-disciplinarity providing a career path for those from agriculture, environmental and engineering degrees into town planning where there is still unmet need for planners in general but a growing demand for planners with the knowledge and skills to act on climate change issues. It builds on internationally recognised scholarship on these issues within APL.

Programme regulations (link to on-line version)

<http://www.ncl.ac.uk/regulations/programme/>

13 Criteria for admission

Entry qualifications

Applicants who hold an Honours degree from this or another recognised University or awarding body in agriculture, environmental sciences, engineering, science based programmes minimum 2.2 or equivalent.

Admissions policy/selection tools

All applicants to be forwarded to DPD as selector.

Non-standard Entry Requirements

Holders of other relevant qualifications (by agreement with the Dean of Postgraduate Studies)

Additional Requirements

Level of English Language capability

IELTS 6.5 (or equivalent)

14 Support for Student Learning

The Student Services portal provides links to key services and other information and is available at:

<http://www.ncl.ac.uk/students/>

Induction

During the first week of the first semester students attend an induction programme. New students will be given a general introduction to University life and the University's principal support services and general information about the School and their programme, as described in the Degree Programme Handbook. New and continuing students will be given detailed programme information and the timetable of lectures/practicals/labs/ tutorials/etc. The International Office offers an additional induction programme for overseas students.

Study skills support

Students will learn a range of Personal Transferable Skills, including Study Skills, as outlined in the Programme Specification. Some of this material, e.g. time management is covered in the appropriate Induction Programme. Students are explicitly tutored on their approach to both group and individual projects.

Numeracy support is available through Maths Aid and help with academic writing is available from the Writing Centre (further information is available from the Robinson Library).

Academic support

The initial point of contact for a student is with a lecturer or module leader, or their tutor (see below) for more generic issues. Thereafter the Degree Programme Director or Head of School may be consulted. Issues relating to the programme may be raised at the Staff-Student Committee, and/or at the Board of Studies.

Pastoral support

All students are assigned a personal tutor whose responsibility is to monitor the academic performance and overall well-being of their tutees. In addition the University offers a range of support services, including one-to-one counselling and guidance or group sessions / workshops on a range of topics, such as emotional issues e.g. Stress and anxiety, student finance and budgeting, disability matters etc. There is specialist support available for students with dyslexia and mental health issues. Furthermore, the Union Society operates a Student Advice Centre, which can provide advocacy and support to students on a range of topics including housing, debt, legal issues etc.

Support for students with disabilities

The University's Disability Support Service provides help and advice for disabled students at the University - and those thinking of coming to Newcastle. It provides individuals with: advice about the University's facilities, services and the accessibility of campus; details about the technical support available; guidance in study skills and advice on financial support arrangements; a resources room with equipment and software to assist students in their studies.

Learning resources

The University's main learning resources are provided by the Robinson and Walton Libraries (for books, journals, online resources), and Information Systems and Services, which supports campus-wide computing facilities.

All new students whose first language is not English are required to take an English Language Proficiency Test. This is administered by INTO Newcastle University Centre on behalf of Newcastle University. Where appropriate, in-session language training can be provided. The INTO Newcastle

University Centre houses a range of resources which may be particularly appropriate for those interested in an Erasmus exchange.

15 Methods for evaluating and improving the quality and standards of teaching and learning

Module reviews

All modules are subject to review by questionnaires which are considered by the Board of Studies. Changes to, or the introduction of new, modules are considered at the Board of Studies and/or the School Teaching and Learning Committee. Student opinion is sought at the Staff-Student Committee and/or the Board of Studies. New modules and major changes to existing modules are subject to approval by the Faculty Teaching and Learning Committee.

Programme reviews

The Board of Studies conducts an Annual Monitoring and Review of the degree programme and reports to Faculty Teaching and Learning Committee. The FTLC takes an overview of all programmes within the Faculty and reports any Faculty or institutional issues to the University Teaching and Learning Committee.

External Examiner reports

External Examiner reports are considered by the Board of Studies. The Board responds to these reports through Faculty Teaching and Learning Committee. External Examiner reports are shared with institutional student representatives, through the Staff-Student Committee.

Student evaluations

All modules, and the degree programme, are subject to review by student questionnaires. Informal student evaluation is also obtained at the Staff-Student Committee, and the Board of Studies. The results from student surveys are considered as part of the Annual Monitoring and Review of the programme and any arising actions are captured at programme and School / institutional level and reported to the appropriate body.

Mechanisms for gaining student feedback

Feedback is channelled via the Staff-Student Committee and the Board of Studies.

Faculty and University Review Mechanisms

The programme is subject to the University's Internal Subject Review process. Every five years degree programmes in each subject area are subject to periodic review. This involves both the detailed consideration of a range of documentation, and a two-day review visit by a review team which includes an external subject specialist in addition to University and Faculty representatives. Following the review a report is produced, which forms the basis for a decision by University Teaching and Learning Committee on whether the programmes reviewed should be re-approved for a further five year period.

Accreditation reports

Additional mechanisms

16 Regulation of assessment

Pass mark

The pass mark is 50%

Course requirements

Progression is subject to the University's Masters Degree Progress Regulations, Taught and Research and Examination Conventions for Taught Masters Degrees. Limited compensation up to 40 credits of the taught element and down to a mark of 40% is possible and there are reassessment opportunities, with certain restrictions.

The University employs a common marking scheme, which is specified in the Taught Postgraduate Examination Conventions, namely:

Summary description applicable to postgraduate Masters programmes

Summary description applicable to postgraduate Certificate and Diploma programmes

<50	Fail
50-59	Pass
60-69	Pass with Merit
70 or above	Pass with Distinction

<50	Fail
50 or above	Pass

Role of the External Examiner

An External Examiner, a distinguished member of the subject community, is appointed by Faculty Teaching and Learning Committee, following recommendation from the Board of Studies. The External Examiner is expected to:

- i. See and approve assessment papers
- ii. Moderate examination and coursework marking
- iii. Attend the Board of Examiners
- iv. Report to the University on the standards of the programme

In addition, information relating to the programme is provided in:

The University Prospectus: <http://www.ncl.ac.uk/postgraduate/>

The School Brochure

Degree Programme and University Regulations: <http://www.ncl.ac.uk/regulations/docs/>

The Degree Programme Handbook

Please note. This specification provides a concise summary of the main features of the programme and of the learning outcomes that a typical student might reasonably be expected to achieve if she/he takes full advantage of the learning opportunities provided. The accuracy of the information contained is reviewed by the University and may be checked by the Quality Assurance Agency for Higher Education.

Mapping of Intended Learning Outcomes onto Curriculum/Modules

Module	Type	Intended Learning Outcomes			
		A	B	C	D
TCP 8001	Compulsory	124			12
TCP 8911	Compulsory	4	24		123
TCP8932	Compulsory	123	1		12
ACE 8021	Compulsory	345	12	1	12
TCP8933	Compulsory	2	1	12	123
TCP7021	Compulsory	1	123	123	123
TCP8902	Compulsory	4567	3		12
TCP8931	Compulsory	125	13	123	12
TCP 8099	Compulsory	8	4		12
TCP8096	<i>Option Pathway</i>	58	13		12
TCP8921	<i>Option Pathway</i>	178	13		12
LAW8058	<i>Option Pathway</i>	38	123		12
TCP8097	<i>Option Pathway</i>	358	23	2	123
TCP8920	<i>Option Pathway</i>	8	23	23	123
LAW8059	<i>Option Pathway</i>	38	23	2	12
ACE8028	Option	25	12	2	
CME8019	Option	45	12		
BIO8004	Option	56	123	12	