



NQF level	Applied competence	Autonomy of learning
10	<p><i>Typically, a programme leading to the award of a qualification at this level aims to develop learners who demonstrate:</i></p> <p>a. A comprehensive and systemic grasp of a discipline/field's body of specialist knowledge in an area at the forefront of the discipline, field or professional practice</p> <p>b. a critical understanding of the most advanced research methodologies, techniques and technologies in a discipline/field; an ability to participate in scholarly debates at the cutting edge of an area of specialisation; an ability to apply knowledge, theory and research methods creatively to complex practical, theoretical and epistemological problems</p> <p>c. substantial, independent research and advanced scholarship resulting in the (re) interpretation and expansion of knowledge which is judged publishable by peers</p> <p>d. an ability to identify, conceptualise, design and implement research projects that address complex, ill-defined problems at the cutting edge of a discipline/field</p> <p>e. advanced information retrieval and processing skills; an ability to independently undertake a study and evaluation of the literature and current research in an area of specialisation</p> <p>f. an ability to effectively present and communicate the results of research and opinion to specialist and non-specialist audiences using the full resources of an academic/professional discourse; the production of a thesis which meets international standards of scholarly/professional writing</p>	<p>g. a capacity to operate autonomously in specialised, complex, ill-defined and unpredictable contexts</p> <p>h. intellectual independence and research leadership through managing advanced research and development in a field</p> <p>i. a capacity to critically evaluate own and others' work on the basis of independent criteria</p>

NQF level	Applied competence	Autonomy of learning
9	<p><i>Typically, a programme leading to the award of a qualification at this level aims to develop learners who demonstrate:</i></p> <p>a. a comprehensive and systematic knowledge base in a discipline/field with specialist knowledge in an area at the forefront of the discipline/field or area of professional practice</p> <p>b. a coherent and critical understanding of the theory, research methodologies and techniques relevant to a discipline/field; an ability to rigorously critique and evaluate current research and participate in scholarly debates in an area of specialisation; an ability to relate theory to practice and <i>vice versa</i> and to think epistemologically</p> <p>c. mastery of the application of research methods, techniques and technologies appropriate to an area of specialisation; an ability to undertake a research project and write up a research dissertation under supervision</p> <p>d. an ability to identify, analyse and deal with complex and/or real world problems and issues drawing systematically and creatively on the theory, research methods and literature of a discipline/field</p> <p>e. advanced information retrieval and processing skills; identification, critical analysis, synthesis and independent evaluation of quantitative and/or qualitative data; an ability to undertake a study of the literature and current research in an area of specialisation under supervision</p> <p>f. an ability to effectively present and communicate the results of research to specialist and non-specialist audiences using the resources of an academic/professional discourse; the production of a dissertation or research report which meets the standards of scholarly/professional writing</p>	<p>g. a capacity to operate effectively in complex, ill-defined contexts</p> <p>h. a capacity to critically self-evaluate and contribute to learn independently for continuing professional development</p> <p>i. a capacity to manage learning tasks autonomously and ethically</p> <p>j. a capacity to critically evaluate own work with justification</p>

(Department of Education, *The Higher Education Qualifications Framework*, Draft for discussion, July 2004)

DEFINITIONS OF RECOGNISED RESEARCH OUTPUTS⁹

Journals

Journals refers to peer reviewed periodical publications devoted to disseminating original research and new developments within specific disciplines, subdisciplines or fields of study. These include original articles, research letters, research papers, and review articles.

Books

Books refers to peer reviewed, non-periodical scholarly or research publications disseminating original research on developments within specific disciplines, subdisciplines or fields of study. Examples of different types of books include:

Monographs, which are relatively short books or treatises on a single scholarly subject written by a specialist or specialists in the field and are generally not extensive in scope;

Chapters, which are one or more major divisions in a book, each complete in itself but related in theme to the division preceding or following it;

Edited works, which are collections of scholarly contributions written by different authors and related in theme. A book may have one or more editors.

Proceedings

Proceedings refers to a published record of a conference, congress, symposium or other meeting whose purpose is to disseminate original research and new developments within specific disciplines, subdisciplines or fields of study.

(Department of Education, *Policy and Procedures for Measurement of Research Output of Public Higher Education Institutions, 2003*)

⁹ See the full policy document for details of the criteria of research outputs for subsidy purposes.

CLASSIFICATION OF EDUCATIONAL SUBJECT MATTER (CESM CATEGORIES)

The following is a list of CESM categories by scientific domain:

<i>Social Sciences and Humanities</i>	<i>Natural Sciences and Engineering</i>	<i>Health Sciences</i>
<ul style="list-style-type: none"> • Arts, Visual and Performing • Business, Commerce and Management Sciences • Communication • Education • Home Economics • Industrial Arts, Trades and Technology • Languages, Linguistics and Literature • Law • Libraries and Museums • Military Sciences • Philosophy, Religion and Theology • Physical Education, Health Education and Leisure • Psychology • Public Administration and Social Services • Social Sciences and Social Studies 	<ul style="list-style-type: none"> • Agriculture and Renewable Natural Resources • Architecture and Environmental Design • Computer Science and Data Processing • Engineering and Engineering Technology • Life Sciences and Physical Sciences • Mathematical Sciences 	<ul style="list-style-type: none"> • Health Care and Health Sciences