Guide for Applicants

Promoting a step-change in the quantitative skills of social science undergraduates

Guide for applicants to the Quantitative Methods Programme run by the Nuffield Foundation, the Economic and Social Research Council (ESRC) and the Higher Education Council for England (HEFCE)
About this guide

This guide is for prospective applicants to the Quantitative Methods (QM) Programme. It provides information about eligibility and how to apply.

Before reading this guide, potential applicants should read the Programme Background, which provides comprehensive information about the QM Programme’s context and expectations, as well as the selection criteria.

In seeking to fund new approaches to deliver excellent and exciting training, the QM Programme is somewhat experimental. Some details of the application process may be refined in response to questions. Those intending to apply should therefore register with us to ensure they receive any updates to this guide. To register, please email: QMenquiries@nuffieldfoundation.org.

An application form will be available to download from www.nuffieldfoundation.org/QM by the end of October 2012. This will have sections for three of the four parts of the application, including templates of four forms, examples of which are included in this guide. The fourth part of the application comprises the signed statements of support, which should be attached to the completed application form prior to submission as one PDF. We will also publish frequently asked questions (FAQs), which will be updated in response to questions received.

Following the commissioning process, we may need to liaise with the selected QM Centres to finalise plans and actual funding levels before contracts are issued.
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Introduction

The Quantitative Methods (QM) Programme is a £15.5 million programme that aims to promote a step-change in quantitative methods training for UK social science undergraduates. Jointly funded by the Nuffield Foundation, the Economic and Social Research Council (ESRC) and the Higher Education Funding Council for England (HEFCE), the QM Programme is based on a shared strategic concern about the UK’s shortage of social scientists trained in quantitative methods and the consequent inability to meet demand from employers across all sectors.¹

The QM Programme has been designed to generate sustainable institutional change, increasing the critical mass of quantitatively skilled social scientists in UK universities and encouraging the development of new approaches to quantitative methodology social science training. The aim is to generate a cohort of undergraduates who appreciate the key role of empirical evidence in social science and develop a deeper and more secure grasp of the quantitative skills needed to address substantive questions. These graduates will then be able to take up posts in government or business, evaluating evidence and analysing data, or go on to postgraduate work, ultimately becoming the outstanding social science researchers of the future.

Funding will be awarded to a network of QM Centres, each comprising a single social science department, or group of departments, engaged in undergraduate teaching within single Higher Education Institutions (HEIs). Applicants can apply for funding of up to £350,000² per year for five years to build on and invigorate existing quantitative skills training provision at undergraduate level. This will include introducing a wider range of techniques and providing more frequent and deeper exposure to quantitative methods embedded within the theories, research design and problems of particular substantive fields.

The focus of the QM Programme is on training in quantitative methods (including research design) in disciplines other than economics or experimental psychology. While economics and experimental psychology may benefit from further emphasis on quantitative training, those disciplines do not show the systematic shortfall found in other social science disciplines, so will not be eligible for funding. Academics from economics and experimental psychology may be involved in providing some of the generic training, or in developing courses that may be open to economists or

¹ HEFCE’s funding is restricted to activities in England but funding from ESRC and Nuffield Foundation is unrestricted, and will be used to fund other English centres, and any centres in Northern Ireland, Scotland and Wales. The funding partnership enables support for activities across the UK.
² Awards at the higher end of the scale (maximum £350,000 per year) will be for QM Centres comprising more than one department and undertaking a diverse range of activities. Costs are expected to vary by year, with the higher rates coming into effect when the activities are up and running.
About the Quantitative Methods Programme

The five-year QM Programme will comprise several key components.

• A network of QM Centres, developing and delivering a diverse range of training activities that:
  • Consider recruitment and training of students in a cumulative fashion.
  • Bring in additional staff and training to embed quantitative skills and a full understanding of research design at every stage of undergraduate study in the different disciplines and substantive areas, ensuring a wider range of students are trained in such methods and that students with the appropriate interests and skills are given advanced training.
  • Attract students to, and enthuse them about, careers using quantitative methods.

• A supporting programme designed to facilitate the exchange of ideas and experiences between the QM Centres, and the discussion of common issues and possible joint activities including work placements and training. For this purpose, we will organise meetings for all QM Centres to come together; once following the initial award, and twice yearly thereafter. We will also maintain a secure online network for QM Centres to communicate between meetings.

• A publicity and dissemination programme that signals the need to address the shortage of quantitative methodology skills training, and that shares the models developed by the QM Centres with HEIs outside the QM Programme. We will undertake this role via a website and through our networks and meetings with policy makers and other key stakeholders.

A steering committee of representatives from the Nuffield Foundation, ESRC, HEFCE and other key stakeholders will oversee the progress of the QM Centres and work to encourage innovation in delivering quantitative methods skills training, both within the selected QM Centres and by disseminating evidence from them to other HEIs.

Eligibility

In general, applications must come from a department or group of departments engaged in undergraduate teaching within a single UK HEI. We have defined an HEI as a body awarding its own degrees.
Where a strong case can be made, applications may be considered from consortia of departments, all engaged in undergraduate teaching, across different HEIs in close physical proximity (within the same town or city). Any such applications must address the issues of achieving a critical mass for institutional change, and the extent to which it is realistic to expect undergraduates to attend courses at other HEIs.

Other HEIs (including those that do not provide undergraduate education) can provide work experience or internships; develop or convene vacation or short courses; or be involved in the development of course materials, but can only receive funding via one or more QM Centres. They cannot apply in their own right, either as a lead applicant or as a member of a group or consortia.

The application should come from the department (or lead department in the case of a multi-department or consortia proposal). The proposed QM Centre co-ordinator (who must hold a permanent post in teaching and/or research in the lead department) should be responsible for the application and its future implementation and reporting. In the case of multi-department or multi HEI proposals, there must also be a named person responsible within each department, holding a permanent post in teaching and/or research.

Each HEI may submit only one application, whether their undergraduate departments comprise the lead, or are part of a multi-department or consortia proposal. HEIs must therefore co-ordinate applications internally before submission so that separate applications are not received from different departments within the same institution.

Organisations providing work placements or internships, or devising and hosting vacation courses, which are not part of an application in their own right, may form partnerships with more than one QM Centre. It may be that one workplace offers placements to students from different QM Centres on a competitive basis.

**Eligible departments**

The focus of the QM Programme is on enhancing quantitative methods skills in social science disciplines other than economics or experimental psychology. Departments covering the following disciplines would therefore be eligible for inclusion:

- area studies
- demography
- education
- development studies
- economic and social history

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3 Potential applicants seeking funding for departments covering disciplines on the interface between social science and arts and humanities should consult the joint AHRC/ESRC Statement on Subject Coverage to ascertain whether or not these elements of their application would be eligible. See [www.esrc.ac.uk/_images/Joint_AHRC_ESRC_Statement_on_Subject_Coverage_tcm8-2637.pdf](http://www.esrc.ac.uk/_images/Joint_AHRC_ESRC_Statement_on_Subject_Coverage_tcm8-2637.pdf).
human geography
management and business studies (excluding economics, finance, accounting, marketing)
linguistics
political studies and international relations
social anthropology
social policy
social psychology
social work
socio-legal studies
sociology

What the Quantitative Methods Programme will fund

Applicants may seek funding for the following:

• Significant additional time by the named co-ordinator to plan the HEI’s activities under the QM Programme, provide quantitative training and supervise student selection for bursaries, training, or internships. Existing staff are not otherwise eligible for funding by the QM Programme, though they may of course count towards the HEI’s own committed costs.

• Up to four new additional full-time equivalent posts. Recruitment, salaries and on-costs of the new posts will be funded for five years, though not estates costs or other overheads. The HEI will be asked to make a commitment that it will fund the posts for a second five-year period. These staff should have no heavier a teaching and administrative load than other funded university staff.

• Clearly specified costs associated with development of new curricular content or teaching datasets (which should then also be available for sharing at annual meetings with other QM Centres).

• Costs for appropriately skilled postgraduate or postdoctoral students who will supervise hands-on data labs or other training which is additional to existing core modules.

• Course fees and modest living expenses of students taking summer or other vacation courses. These must be clearly and explicitly linked to quantitative training (not qualitative modules), and must be expressed as a cost per student.

• Development of links with organisations that can offer short-term or summer work placements or internships, including university supervision costs, and subsidy of core costs of the organisations concerned (their own planning and supervision time).

• Living costs for internships for summer placements at research settings, linked to a clear project or training pathway.
• A contribution to the costs of students in the fourth year of a 3+1 course, by way of a bursary or possibly for relevant advanced Master’s level courses for students who have successfully completed a sequence of quantitative courses at one of the QM Centres.

• Any other directly incurred costs related to materials, equipment or infrastructure needed by students.

• Clearly specified costs for any other proposed activities.

We recognise that these activities will take time and resources to start up, and we will therefore provide a small amount of planning and start-up funding during the first six months before activities commence in the academic year 2013/14. This could cover:

• Costs for the named co-ordinator’s time.

• Advertisement and recruitment of new staff and interested students.

• Travel needed to arrange bursary or internship places.

• Costs of any bursaries or special course fees for existing undergraduates who might benefit.

However, as part of the application process, applicants are expected to have started some of the planning for new courses and to have a clear idea of what they may be able to offer; for example applicants should not wait for the start-up period to make links that may lead to work placements. The time allowed for the preparation of the bid is designed to ensure that institutions are able to give sufficient thought to the steps they might take in recruitment of students and new staff and in course design. Applications will be judged on the concreteness of the plans, rather than on abstract aspirations.
What the Quantitative Methods Programme will not fund

The QM Programme will not fund:

- Activities to support capacity building in qualitative methodology.
- Existing activities.
- Existing staff other than the named co-ordinator. This includes management and administrative staff as well as academic staff.
- Strengthening of training in quantitative methodology within economics or experimental psychology departments, or primarily aimed at undergraduates in those disciplines.
- Overheads or directly or indirectly allocated costs under Full Economic Costs unless they are listed as eligible in the list above.\(^4\) Estate costs and other overheads for the QM Centre co-ordinator and/or for new posts other than pension and National Insurance or additional time from existing staff.
- Though not its primary purpose, new staff funded by the QM Programme may devote some time to building the quantitative skills of existing staff. However the costs of time for any other existing staff undergoing training are not eligible for funding.

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\(^4\) We are supporting 100% of the direct costs (including pension and NI) for a range of new staff as well as other benefits. We view the HEI’s financial contribution to other overheads as evidence of its institutional commitment and of the application’s value for money.
# Timetable

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>QM Competition announced</td>
<td>October 2012</td>
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<tr>
<td>Applications due</td>
<td>28 February 2013</td>
</tr>
<tr>
<td>Peer review and interview panels</td>
<td>March/April 2013</td>
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<tr>
<td>Awards made</td>
<td>May/June 2013</td>
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<tr>
<td>Planning and set-up period and first joint meeting</td>
<td>June/July 2013</td>
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<tr>
<td>First full year of the QM Programme begins</td>
<td>October 2013</td>
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<tr>
<td>Second collective meeting</td>
<td>Autumn 2013</td>
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<tr>
<td>Three year mid-term review</td>
<td>Spring/Summer 2016</td>
</tr>
<tr>
<td>Final full year of the QM Programme begins (possible extension if funding still available due to slow initial intake)</td>
<td>October 2017</td>
</tr>
<tr>
<td>Review and evaluation of the QM Programme</td>
<td>2018</td>
</tr>
</tbody>
</table>

# How to apply

Applicants should read the *Programme Background*, this *Guide for Applicants* and then follow the instructions below.

Some details of the application process may be refined in response to questions. Those intending to apply should therefore register with us to ensure they receive any updates to this guide. To register, please email: QMenquiries@nuffieldfoundation.org

We will also publish frequently asked questions (FAQs) online at www.nuffieldfoundation.org/QM
Enquiries

Potential applicants are welcome to discuss the QM Programme in the first instance with Sarah Lock at the Nuffield Foundation. Please email slock@nuffieldfoundation.org or call 020 7631 0566.

Instructions for applicants

There are four parts to the application. An application form will be available to download from www.nuffieldfoundation.org/QM by the end of October 2012. This will have sections for three of the four parts of the application, including templates of four forms, examples of which are included in this guide. The fourth part of the application comprises the signed statements of support, which should be attached to the completed application form prior to submission as one PDF.

The application should be presented in either Arial or Times New Roman in no smaller than 12 point with borders of no less than 2cm. All pages must be numbered.

The application must use clear, non-idiomatic English. Applications will be reviewed by expert referees and short-listed applications will be considered by a selection committee. Not all committee members will have knowledge of the skills-building techniques within the disciplines proposed. The application must therefore be detailed enough to satisfy experts but clear enough to inform non-specialists.

We will not accept any supplementary information such as departmental prospectuses or other information about the institution or its personnel.

Part 1 – Summary

Applicants must complete the Summary form, which is attached at the end of this guide.
Part 2 – Case for support

The case for support is in three sections: Overview (2.1), Supporting data and information (2.2) and Timetable (2.3)

2.1 Overview

Applicants have up to ten sides of A4 to describe their case for support in detail, setting out the organisation and strategic context for the proposed QM Centre; what they plan to achieve and how, and why they are seeking funding for the innovations they are planning to put into place. This should cover:

• The HEI’s commitment to offering high quality undergraduate quantitative methods training and the long-term vision beyond the five years of this Programme.

• How the proposed QM Centre fits into the HEI’s overall strategy for promoting and developing quantitative methods research skills, and how undergraduate students within the proposed QM Centre will be facilitated to interact with the wider quantitative methods research environment in the HEI.

• The strategy for developing and delivering the five-year programme – including proposed governance structure and other operational mechanisms.

• The means by which the proposed programme of activities will be delivered and a description of the types of new planned activities and proposed courses. Please note that details of each activity should be set out in the forms submitted in Part 2.2 of the application.

• How these planned new activities, both individually and together, will motivate and prepare students for postgraduate research and careers utilising quantitative methods.

• How the new activities will be promoted and prospective students encouraged to participate, plus any envisaged changes to student recruitment.

• How the activities will be sustainable beyond the five-year funding from the QM Programme.
2.2 Supporting data and information

2.2.1 Data on current training and research capacity within the proposed QM Centre

Applicants must complete the relevant form for this section (example available at the end of this guide).

All data must refer only to the department(s) named in the proposed QM Centre – not to the HEI as a whole, and not to any other organisations that might be providing input to the proposed QM Centre. Unless otherwise specified, this data must relate to the 2012/13 academic year.

Information requested on Research Assessment Exercise (RAE) scores is to provide an indication of current research activity. Applications will not be penalised for having some low-scoring departments in the proposed QM Centre.

2.2.2 Data on planned outputs at mid-term and after five years

By ‘mid-term’ we mean when the QM Centre is fully up and running (by year two or three of the five-year grant).

Applicants must complete the relevant form for this section (example available at the end of this guide).

This information will not be treated as targets that must be met, but will be used to consider the scale of planned activities and the possible aspirations for the proposed QM Centres. It will also be a subject of continuing discussion as the QM Programme progresses. Applicants are encouraged to be realistic in their estimates but also to recognise the challenge posed by concrete aspirations.

2.2.3 Information on current quantitative methods courses and activities in the proposed QM Centre

For each of the following four categories, applicants must provide a summary of the current courses and activities taking place for undergraduate students in the named department(s) in the proposed QM Centre in 2012/13. The maximum length for each summary is one side of A4. We recognise that the named department(s) may not currently have courses and activities in all four categories, in which case applicants should only provide summaries for the applicable categories.
1. Quantitative methods courses contributing to existing degrees.
2. Vacation and other supplementary courses and training.
3. Work or research placements and internships.
4. Any other relevant quantitative methods activity aimed at undergraduates.

Applicants must not include courses or activities taking place in the institution(s) as a whole, or in any other organisations that might be providing input to the proposed QM Centre.

For each of the applicable categories, applicants should provide the following:

- A description of the courses and activities, their target groups and learning outcomes.
- Duration (total number of hours and scheduling).
- Number of students currently enrolled.
- Whether the courses and activities are formally recognised internally or externally and if so by which authority.
- Plans for the continuation of the courses and activities during 2013/14 to 2017/18.

2.2.4 Information on new courses and activities planned

For each of the following six categories, applicants must provide a summary of the courses and activities planned for undergraduate students in the named department(s) in the proposed QM Centre. The maximum length for each summary is one side of A4. Only information on new courses and activities to be funded by the QM Programme should be provided – not existing work. Not all categories will be relevant to all applicants.

1. New substantive courses.
2. New hands-on learning in data labs.
3. New vacation training activities (whether within the applicant’s institution or elsewhere).
4. New vacation internships or placements in research institutes or workplaces.
5. Links to Master’s level provision.
6. Other activities.
For each of the applicable categories, applicants should provide the following:

- A description of the courses and activities, which department(s) they are in, their target groups and learning outcomes.
- The anticipated number of students enrolling between 2012/13 and 2017/18.
- Details of whether the course and activity might be formally recognised internally or externally and if so by which authority.
- The academic year(s) in which the courses and activities are expected to take place.
- The inputs required (other than existing staff input), such as design costs for materials, student costs, course fees, bursaries etc.

2.2.5 Key Centre staff

As evidence of ability to develop and deliver the planned programme of activities, the application must include:

1. One side of A4 providing a short CV of the proposed QM Centre co-ordinator and a description of his or her planned input to the work to be funded under the QM Programme over the five-year period.

2. One side of A4 listing other existing key staff in the proposed QM Centre’s department(s) who will be carrying out the proposed work, their current involvement in quantitative methods research and quantitative methods research training, and their planned input to the work to be funded under the QM Programme over the five years. Although these staff will not be funded by the QM Programme, their contribution will be an indication of the proposed Centre’s existing strengths and its ability to deliver the proposed activities.

2.2.6 New posts

Applicants have one side of A4 to provide information about the new posts to be funded by the QM Programme. This should include:

- The name of the department(s) the posts are being recruited for.
- The skill sets being sought.
- The postholder’s responsibilities for the proposed activities.
- The proposed salary range.
- The planned recruitment process, timetable and cost.
2.3 **Timetable for the five-year programme**

On a Gantt chart covering no more than two sides of A4, applicants must show, month by month for the five years, the proposed timetable for the programme as comprising:

- Recruitment and deployment of new staff.
- Development and delivery of each planned individual course and activity.

**Part 3 – Budget**

Before completing this section, applicants should read the section in this guide on eligible and non-eligible costs.

Applicants must present their budget using the relevant form (example provided at the end of this guide). This should show, year by year, both the funding requested from the QM Programme and the resources that the HEI will contribute in the way of existing or additional staff, computer labs, additional funding for bursaries and so on.

The budget year is the same as the academic year – 1 October to 30 September. The budget must only show the costs of new work – not the continuation of existing activities.

While staff costs should reflect the actual time that will be put into developing activities, we realise that student costs can only be based on a best estimate of take-up of the new activities. A contingency fund will be available if overall student take-up is greater than estimated in the application.

Staff salaries, whether for the new posts or additional time for existing staff, may not exceed £79,000 FTE per annum, exclusive of NI and pension costs, for any single member of staff. This cap also applies to the payment of employees from organisations outside the named departments in the proposed QM Centre.

The QM Programme will meet increased costs arising from nationally negotiated pay awards arising during the five years, subject to a ceiling of 3% per annum, but these should **not be included in the budget**. Funding for the costs of incremental pay rises must be specified in the budget at the time you apply, based on current rates.

The QM Programme will cover student living costs of £180 per week and £190 per week for those in London in 2012/13, increasing year by year with inflation but capped at 3% per annum. The HEI is of course free to supplement these rates itself. Annual cost of living increases should **not** be included in the budget.
For bursaries, the QM Programme will meet the same maintenance rates as for ESRC studentships in Advanced Quantitative Methods – £319 per week or £357.50 per week in London in 2012/13. Annual increases will match increases to ESRC rates, subject to a ceiling of 3% per year. Annual increases should not be included in the budget.

**Part 4 – Institutional commitment**

All applications must include:

- A signed statement of support from the Head of Department of each department in the proposed QM Centre.
- A signed statement of support from the institution’s Pro Vice-Chancellor.

Statements of support must include an agreement to abide by the terms and conditions of the QM Programme should the application be successful.

**Submitting your application**

Completed applications must be submitted in two formats:

1. One hard copy of the complete application, including all original signatures. This must be printed single-sided, unstapled, and sent by post to:

   Sarah Lock
   The Nuffield Foundation
   28 Bedford Square
   London WC1B 3JS

   AND

2. One electronic copy of the final application. This must be identical to the hard copy and merged into one single PDF document. It should be sent by email to QMenquiries@nuffieldfoundation.org.

The deadline for email applications is 5pm on Thursday 28 February 2013. The hard copy should follow by Monday 4 March.

All applications will be acknowledged within two weeks of receipt.
Example forms

Part 1 – Summary form

Higher Education Institution

Full name of the degree-awarding body that is applying to be a QM Centre and its registered address.

Centre Co-ordinator

Name, position and correspondence details of the academic who will lead the application on behalf of the HEI and be the point of contact with the funding organisations.

Lead Department

Name of the Lead Department responsible for the work of the proposed QM Centre and name of its Head of Department. Please note that the Centre Co-ordinator must be based in this Lead Department but need not necessarily be the Head of Department.

Other Departments

Names of other departments that will be part of the proposed QM Centre and will provide staff, training, facilities or other expertise. For each of these other departments give the name of both the Head of Department and the member of staff responsible for the department’s role in the proposed QM Centre.
Summary of the application

Describe the proposed research in simple terms for a general audience. This must not exceed 3,000 characters.

Amount requested

A full budget is required in Part 3, but please also supply here the total funding requested for each academic year. We assume that costs will vary according to the development of activities and the recruitment of staff.

- Start up costs for 1 June 2013 – 30 September 2013
- 1 October 2013 – 30 September 2014
- 1 October 2014 – 30 September 2015
- 1 October 2015 – 30 September 2016
- 1 October 2016 – 30 September 2017
- 1 October 2017 – 30 September 2018
### Part 2.2.1 – Current quantitative methods training and research capacity form

All data must refer only to the department(s) in the proposed QM Centre – not the institution as a whole, and not to any other departments or organisations that might be providing input to the proposed QM Centre. Unless otherwise specified, this data must relate to 2012/13 academic year.

<table>
<thead>
<tr>
<th>Existing staff quantitative methods training capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of FTE existing staff within the proposed QM Centre’s department(s) who teach quantitative methods.</td>
</tr>
<tr>
<td>Number of FTE existing staff from outside the proposed QM Centre’s department(s) who teach quantitative methods to students within departments taking part.</td>
</tr>
<tr>
<td>Number of existing staff within the proposed QM Centre’s department(s) who undertake research using quantitative methods.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Existing quantitative methods undergraduate training</th>
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</thead>
<tbody>
<tr>
<td>Number of existing quantitative methods courses within the proposed QM Centre where quantitative methods represent a significant proportion of the course as demonstrable by syllabuses and teaching materials.</td>
</tr>
<tr>
<td>Number of students in the proposed QM Centre taking more than one course with a substantial quantitative component as part of their undergraduate degree.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Application of quantitative methods training – data can relate to 2011/12 if not yet known for 2012/13</th>
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<tbody>
<tr>
<td>Total number of students in the proposed QM Centre doing a third-year project involving quantitative analysis.</td>
</tr>
<tr>
<td>Total number of students doing a third-year project using secondary analysis of large-scale data (subset of above).</td>
</tr>
<tr>
<td>If known, number of students from the proposed QM Centre who graduated in 2009/10, 2010/11 and 2011/12 who progressed to postgraduate work utilising quantitative skills training.</td>
</tr>
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</table>

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<thead>
<tr>
<th>Research</th>
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<tbody>
<tr>
<td>RAE Research Output Profile – the overall percentage of 3* and 4* activity for each Unit of Assessment within the proposed QM Centre.</td>
</tr>
<tr>
<td>RAE Research Environment Profile – the overall percentage of 3* and 4* activity for each Unit of Assessment within the proposed QM Centre.</td>
</tr>
<tr>
<td>Number of existing staff within the proposed QM Centre’s department(s) who undertake research using quantitative methods.</td>
</tr>
<tr>
<td>Number of postgraduates in the proposed QM Centre’s department(s) using quantitative skills.</td>
</tr>
</tbody>
</table>
### Part 2.2.2 – Form to show planned outputs at mid-term and after five years

All data must refer to outputs from the proposed QM Centre

<table>
<thead>
<tr>
<th>Training provision</th>
<th>At mid-term</th>
<th>After five years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of new additional teaching hours devoted to quantitative competence.</td>
<td></td>
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</tr>
<tr>
<td>Number of new additional courses devoted to quantitative competence.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of new pre-entry quantitative training courses for prospective undergraduate students.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of new sequences or suites of courses developed that have cumulative impact; whether it is hoped that these might be kite-marked externally and/or lead to awarding of ‘badged’ degrees with special quantitative methods recognition.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Training take-up</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estimated number of students who will complete the new quantitative methods courses.</td>
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</tr>
<tr>
<td>Estimated number of students who will complete the new sequences of courses.</td>
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<tr>
<td>Estimated number of students who will have attended new summer or vacation courses or training.</td>
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<tr>
<td>Estimated number of students who will undertake new summer internships.</td>
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<tr>
<td>Estimated number of students whose third-year dissertations will use quantitative methods.</td>
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<tr>
<td>Estimated number of students whose third-year dissertations will use secondary analysis of large datasets (subset of above).</td>
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<tr>
<td><strong>Progression to postgraduate studies</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estimated number of students that will enter postgraduate training in areas that use, or develop further their quantitative skills; whether this is part of a formal ‘plus one’ scheme or by entry to existing postgraduate courses at your own or another institution.</td>
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</tr>
</tbody>
</table>
**New posts, for each post show:**
- Recruitment
- Salary
- On-costs (NI and pension)
- Total

Additional time for the proposed QM Centre Co-ordinator, showing the proportion of time being covered and the FTE rate.

Itemised costs for the development of new curricular content (e.g. subcontracted work).

Itemised costs for the development of teaching datasets e.g. subcontracted work.

Additional supervision or training by postgraduate or postdoctoral students, showing the number of hours and hourly rate.

Fees and living costs of summer or other vacation courses (based on estimates of expected up-take)
- Students’ costs showing number of students and unit rate
- Course fees showing numbers and unit rate
- Total

Research/work placements/internships
- Students’ costs showing number of students and unit rate
- Subsidy to host
- HEI supervision costs (if not included in Co-ordinator’s costs.
- Total

Bursaries for 3+1 course or move to postgraduate work (based on estimates of expected up-take)
- Students costs’, showing number of students and unit rate

Other planned activities – show each activity separately and itemise and justify additional staff costs, students costs’ etc as for previous budget lines.

Itemised costs for other directly incurred costs related to materials, equipment or infrastructure needed by students.

**Total**