

DRAFT – SUBJECT TO CHANGE

Manchester Institute of Innovation Research
Manchester Business School, University of Manchester

Professional Development Course on Evaluation of Science and Innovation Policies

23 – 27 May 2016

Harold Hankins Building Room 10.04/10.05

Course Directors:

Jakob Edler and Abdullah Gök

Course Lecturers:

Kate Barker, Paul Cunningham, Jakob Edler,
Abdullah Gök, Maria Nedeva, John Rigby, Philip Shapira

External Speakers:

Erik Arnold (Technopolis Group and Manchester Institute of Innovation Research), Steven Hill (HEFCE), Mike Thelwall (University of Wolverhampton)

Course Administrator:

Lisa Gledhill (lisa.gledhill@manchester.ac.uk)

Day 1: 23/05/2016 Monday

Time	Session Title
09:00-09:30	<i>Registration at Room 10.04 (tea and coffee available)</i>
09:30-10:00	Introductions – participants, lecturers and the week
10:00-11:00	1a. Introduction to science and innovation policy evaluation Setting the scene, trends, state-of-the-art, and principles of evaluation (Jakob Edler)
11:00-11:15	<i>Tea and Coffee</i>
11:15-12:15	1a. Introduction to science and innovation policy evaluation (continued)
12:15-12:30	1b. Group project work Organisation of the week and introduction of the group projects (Jakob Edler and Abdullah Gök)
12:30-13:30	<i>Lunch</i>
13:30-14:30	1c. Theoretical foundations of evaluation An overview of the development of evaluation in policy and programme management, looking across different policy areas and different approaches to evaluation. Locating research and innovation policy evaluation approaches (Abdullah Gök)
14:30-15:30	1d. Evaluation designs and frameworks An overview of the experimental, quasi-experimental and non-experimental designs as well as the relevance of these designs to science and innovation policy (Abdullah Gök)
15:30-15:45	<i>Tea and Coffee</i>
15:45-16:30	1e. Evaluation set-up and logic charts: concept and introduction to use it for practical exercise Explaining the set-up of evaluations and the nature and use of logic charts as a practical tool in evaluation and how they can be used in the design of ex ante and ex post evaluation (Kate Barker)
16:30-17:45	1f. Group project work Logic Chart activity for group projects (Kate Barker)
17.45-19:00	<i>Drinks reception at Room 10.04</i>
19:00	<i>Dinner at the MBS Dining Room</i>

Day 2: 24/05/2016 Tuesday

Time	Session Title
08:30-09:00	2a. Questions and answers (<i>Tea and coffee available</i>) An opportunity to ask questions with an MIoIR expert panel consisting of course lecturers and other MIoIR staff to pursue expert views on evaluation questions you are most interested in, or to raise other evaluation topics that as yet have not been addressed (Abdullah Gök, John Rigby)
09:00-10:00	2b. Additionality and problems of evaluating change: What difference does it make? Overview of different notions of additionality (with a focus on behavioural additionality), key role of this concept in evaluation design, examples and group work to practice how evaluations capture it. (Abdullah Gök)
10:00-10:15	<i>Tea and coffee</i>
10:15-11:15	2c. Introduction to indicators Introduction to the concept and use of indicators for the evaluation of innovation and science policy (Jakob Edler)
11:15-12:15	2d. Introduction to bibliometrics Explaining the underpinning assumptions and limitations of bibliometric analysis, and how both are used in evaluation and policy. Includes three in depth examples. (John Rigby)
12:15-13:00	<i>Lunch</i>
13:00-14:00	2e. Introduction to Altmetrics This talk will describe a range of web-based alternative metrics that can be used as impact indicators in various contexts. The talk will also give examples of using alternative metrics to support evaluations (Mike Thelwall, Professor, University of Wolverhampton)
14:00-14:15	<i>Tea and coffee</i>
14:15-15:15	2f. Evaluation of University Research Outlining the different national approaches and trends, focusing on a case study of the evolution of the UK's research assessment exercise/research excellence framework (Kate Barker)
15:15-16:00	2g. Usefulness of evaluation I Principles of the design and implementation of evaluations to maximise usefulness in different contexts (Paul Cunningham)
16:00-16:45	2h. Usefulness of evaluation II Perspectives of a policy-maker on the use and usefulness of evidence in science and innovation policy (Steven Hill, Head of Policy, Higher Education Funding Council England (HEFCE))
16:45-17:00	<i>Tea and coffee</i>
17:00-18:30	2i. Group project work Tutor: Paul Cunningham and Abdullah Gök
18:30	<i>Dinner at MBS Dining Room</i>

Day 3: 25/05/2016 Wednesday

Time	Session Title
09:00-09:30	3a. Questions and answers (<i>Tea and coffee available</i>) An opportunity to ask questions with an MIOIR expert panel consisting of course lecturers and other MIOIR staff to pursue expert views on evaluation questions you are most interested in, or to raise other evaluation topics that as yet have not been addressed (Erik Arnold, Kate Barker)
09:30-10:30	3b. Evaluation of social impact of research Explaining the main challenges, dimensions of social impact, and practical examples of different approaches to capturing societal impacts from research (Kate Barker)
10:30-10:45	<i>Tea and coffee</i>
10:45-11:45	3c. Contribution Analysis: Introduction and practical examples Building on session 3b, this session introduces an approach that has been developed for complex situations of wider societal impact, where one cannot easily attribute effect to interventions, but can create appropriate causal models and plausible narratives for contributions to effect. (Erik Arnold, Chairman, Technopolis Group and Visiting Fellow, Manchester Institute of Innovation Research)
11:45-13:00	<i>Lunch</i>
13:00-14:45	3d. Evaluating Organizations Research funding organisations are under increasing pressure to prove excellent performance. This is partly because of the all, pervasive accountability practices that become established in most countries in Europe North America and lately the rest of the world. To develop arguments regarding the excellence of their performance and by doing that develop arguments for their funding, Research Funding Organisations need to undergo Evaluations. In counter distinction, from research programmes evaluating research funding organisations is fraught with methodological challenges. (Maria Nedeva)
14:45-15:00	<i>Tea and coffee</i>
15:00-16:30	3e. Peer Review Overview of the nature of peer review, its limitations, its role in research and innovation evaluation and how to organise it as part of evaluation with practical examples (Maria Nedeva)
16:30-18:30	3f. Group Project Work (<i>Tea and coffee available</i>) Tutor: Jakob Edler and Maria Nedeva
18:30	<i>Dinner at MBS Dining Room</i>

Day 4: 26/05/2016 Thursday

Time	Session Title
09:00-09:30	4a. Questions and Answers (<i>Tea and coffee available</i>) An opportunity to ask questions with an MIOIR expert panel consisting of course lecturers and other MIOIR staff to pursue expert views on evaluation questions you are most interested in, or to raise other evaluation topics that as yet have not been addressed (Maria Nedeva, Luke Georghiou)
09:30-11:15	4b. Evaluating economic impacts Lecture and discussion explaining the challenges of economic impact evaluation, explaining the use of different methods and tools for assessing economic impact, examples drawn from US programmes and regional impact assessment (Philip Shapira)
11:15-11:30	<i>Tea and coffee</i>
11:30-13:00	4b. Evaluating economic impacts (continued) Lecture and discussion explaining the challenges of economic impact evaluation, explaining the use of different methods and tools for assessing economic impact, examples drawn from US programmes and regional impact assessment (Philip Shapira)
13:00-14:00	<i>Lunch</i>
14:00-16:45	4c. Group Project Work (Tutor: Philip Shapira and John Rigby)
16:45-18:15	4d. Walking Tour: Manchester's Oxford Road Urban Trail This walking tour celebrates one of the UK's most fascinating streets - Oxford Road. The strip from Booth Street to St Peter's Square is rammed full of big stories in science, research, politics, the humanities and the arts. Given the theme of the course there is much to discuss about how the well-endowed - in terms of intellectual endeavour - 'corridor' of Oxford Road developed. The tour covers 200 hundred years of urban transformation and how public policy (or often the lack of it) has led to the present cityscape. Key moments on the route are provided at All Saints, the River Medlock and St Peter's Square. The whole story of how British cities have evolved is revealed on the route. (Tour Guide: Jonathan Schofield)
18:15	<i>Social Dinner at Mr Coopers House and Garden at the Midlands Hotel</i>

Day 5: 27/05/2016 Friday

Time	Session Title
09:00-09:30	5a. Questions and Answers (<i>Tea and coffee available</i>) An opportunity to ask questions with an MIOIR expert panel consisting of course lecturers and other MIOIR staff to pursue expert views on evaluation questions you are most interested in, or to raise other evaluation topics that as yet have not been addressed (Jakob Edler, Philip Shapira)
09:30-11:00	5b. Policy Level Evaluation: Demand based innovation policy In recent years, policies to utilise and support demand for innovation as an innovation policy tool have become more prominent in the OECD world again. However, their design, implementation and evaluation is still poorly understood. This session introduces the rationale and instruments for demand side policies and discusses the specific challenges and approaches for evaluation. (Jakob Edler)
11:00-11:15	<i>Tea and Coffee</i>
11:15-12:30	5c. Group Project Presentations Project teams will present their group project presentations (each group will have 15 mins). Members of the teaching staff as well as other participant will provide feedback and discussion to presentations (15 mins for each presentation) (Jakob Edler, Abdullah Gök, Philip Shapira, John Rigby)
12:30-13:30	<i>Lunch</i>
13:30-15:00	5c. Group Project Presentations (continued) Project teams will present their group project presentations (each group will have 15 mins). Members of the teaching staff as well as other participant will provide feedback and discussion to presentations (15 mins for each presentation) (Jakob Edler, Abdullah Gök, Maria Nedeva, Kate Barker, Paul Cunningham)
15:00-15:30	5d. Conclusion Feedback, wrap up and certificates (Jakob Edler and Abdullah Gök)
15:30	End of the Course

Manchester Institute of Innovation Research

The Manchester Institute of Innovation Research (MIOIR) is the research centre of excellence in the Manchester Business School (MBS) and The University of Manchester in the field of innovation and science studies. With more than 50 full members and a range of associated academics from across the University, MIOIR is Europe's largest and one of the World's leading research centres in this field.

The Institute's key strengths lie in the linkage and cross-fertilisation of economics, management and policy around innovation and science. Building on forty years of tradition in innovation and science studies, the Institute's philosophy is to combine academic rigour with concrete practical relevance for policy and management. This includes broad engagement with and research for policy makers and societal and industrial stakeholders in the Manchester City Region, across the UK and internationally. MIOIR is also firmly committed to a range of teaching activities within and beyond MBS and integrates a strong and successful PhD programme into its research activities. The Institute has a visitor programme for academics and management and policy practitioners and provides a range of popular and high level executive education courses on evaluation, foresight and S&T Policy.

For more information please visit www.mbs.ac.uk/research/portals/innovation/