

COURSE OVERVIEW

Core online content:
17 courses, 30-60 minutes per course

Estimated workshop date:
March 2017

Estimated publication date:
March 2018

AN INVITATION TO JOIN AN INTERNATIONAL DEVELOPMENT GROUP

Research as a Transferable Skill



"It's not enough just to love your science anymore. You have to be able to communicate it well. You have to be able to write grants, to manage people and budgets, all those sorts of things."

The Scientist, May 2016, "Making the Most of School" article;
Patricia Labosky, Program Leader at NIH's Division of Program
Coordination, Planning, and Strategic Initiatives

Join a new global collaboration of universities to create a flexible, online blended learning course that focuses on the critical professional competencies that should be mastered by students planning to pursue a career in research AND related fields.

JOIN US

You are invited to join a new collaboration to create a high-quality online program for undergraduate and Masters researchers, designed to train participants to engage in responsible conduct and develop good research habits for a career inside or outside academia. This course will be developed in partnership with leading universities, and an international team of expert authors, reviewers and advisors.

An increase in attention to the state of undergraduate research has produced significant evidence of pervasive skill gaps in this segment. Higher Education is increasingly concerned with preparing students for the workforce, with new attention to integrating essential professional skills (e.g. leadership, communication) into undergraduate education.

Research as a Transferable Skill is a dedicated training program intending to help address these skill gaps. It focuses on the critical professional competencies that should be mastered by students planning to pursue a career in research and related fields, either in academia or other sectors. The training will take a student through the stages of understanding the benefits of developing a “researcher mindset” while at university, with a strong focus on promoting long-term employability and career success.

BACKGROUND

“Transferable skills can play an important role in supporting researchers’ diverse career paths, ultimately promoting better research outputs and helping to underpin innovation and economic growth. These skills have attracted more attention over time, as non-academic employment opportunities grow and research becomes more interdisciplinary and international. The literature suggests formal training for PhD candidates and other researchers as one key channel for transferable skills acquisition as a complement to informal training and workplace experience. It also considers that governments, individuals, universities, and other stakeholders share responsibility in designing, funding, organising, and providing this training.”

“Transferable Skills Training for Researchers: Supporting Career Development and Research”, Report from the Organization for Economic Co-operation and Development (OECD)

LEAD ADVISORS



DR. JULIO RIVERA

Dr. Rivera is Professor of Management, Marketing and Geography at Carthage College. He is a national leader in the undergraduate research movement and is a past president of the Council on Undergraduate Research (CUR).



PROFESSOR NICHOLAS H. STENECK

Nicholas Steneck is Professor Emeritus of History at the University of Michigan. He is globally recognized for his leadership role in establishing the World Conferences on Research Integrity and drafting the *Singapore Statement on Research Integrity*. His consulting work includes the US Office of Research Integrity, Oxford University, and since 2010, Epigeum.

EPIGEUM

Epigeum is a spin-out company from Imperial College London and part of Oxford University Press. Over the last 10 years Epigeum has led more than 20 collaborative projects and has built an international reputation as a provider of exceptional online learning.

COURSE FEATURES

- Focuses on the critical professional competencies that should be mastered by students planning to pursue a career in research and related fields.
- Takes students through the stages of understanding the benefits of developing a “researcher mindset” while at university, with a strong focus on promoting long-term employability.
- This program will support grant applications.
- Epigeum’s *Impact* toolset will be embedded throughout, enabling you to gain an insight into your learning environment and measure the effectiveness of your online training.

BENEFITS OF JOINING A COLLABORATION

Our collaborative approach brings together leading universities and subject experts from around the world. By joining the collaboration you will have the opportunity to share best practice and benefit from the following:

- campus-wide unlimited licence in perpetuity
- secure high-quality content at a fraction of the cost of developing the material in-house
- significant input into the development of the course – for instance, agreeing the detailed curriculum with authors and a lead advisory panel at a start-up workshop
- peer-review the material as it is developed
- potential opportunity for your students and staff to appear in the course videos
- free updates for five years
- full technical support
- implementation training to assist you in getting started.

INVESTMENT PRICE & CONTACT INFORMATION

For details on the cost of joining this development group, please get in touch directly with your local business development manager, or epigeum@oup.com

ALSO OF INTEREST

In addition, your institution may be interested in *Research Quality and Reproducibility*, a second program currently open for collaboration, and providing robust training for researchers in the early stages of their careers. For more information on joining this collaboration, please contact your local business development manager or epigeum@oup.com

For more information about Epigeum and its pedagogical approach, visit www.epigeum.com

PROPOSED CURRICULUM

INTRODUCTION	
Course 1	What is research?
SKILLS BUILDING	
Course 2	Working on an independent research project
Course 3	Working within a research team: Teamwork, collaboration and leadership
Course 4	Understanding the funding process
Course 5	Research project management
Course 6	Conducting an effective literature review
Course 7	Research methodology
RESPONSIBLE RESEARCHER MINDSET	
Course 8	Avoiding plagiarism
Course 9	Responsible conduct of research
Course 10	Human participants / animal subjects
Course 11	Lab safety
Course 12	(Faculty Facing) Introducing Undergraduate Research across the Curriculum
OUTCOMES OF DEVELOPING RESEARCH SKILLS	
Course 13	Sharing your research findings: Networking skills and public engagement
Course 14	Writing for publication
Course 15	Commercialization and entrepreneurship, negotiating skills
Course 16	Career planning – employability, academic research, and enterprise research
Course 17	(Faculty facing) Measuring the Impact of Undergraduate Research

PROPOSED COURSE LEARNING OUTCOMES

On completion of the course, research students will be able to:

- conduct a safe, ethical, and well-managed research project
- work effectively both individually and as part of a research team
- effectively review and communicate research literature
- understand the “business of research” with professional skills in leadership, management, negotiation, and budgeting
- effectively communicate research findings with academic and non-academic audiences
- manage a career plan transferring these skills to professional roles in academia or other industries.



IMPACT

The Epigeum *Impact* toolset will be included in the development of this project. The *Impact* toolset is a range of embedded surveys written and designed to integrate with the content. These surveys target participant capabilities, motivation, aspects of climate and learning gain. *Impact* will enable you to gain an insight into your learning environment and measure the effectiveness of your online training.

Exceptional online learning
through global collaboration