

Degree Level Expectations, Learning Outcomes, Indicators of Achievement and the Program Requirements that Support the Learning Outcomes

<b>Expectations</b>	<b>Learning Outcomes</b>	<b>Indicators of Achievement</b>	<b>Relevant Courses and Academic requirements</b>	<b>Transferable Skills</b>
<p><b>Depth and breadth of knowledge</b></p>	<p>A thorough understanding of a substantial part of economic knowledge that is at the forefront of the discipline.</p> <p>By the end of first year, students should be at the forefront in terms of the main theoretical and empirical methodology in all areas of economic analysis.</p> <p>By the end of their second year, students should have a deeper understanding of key issues and debates relating to their chosen areas of study.</p> <p>By the beginning of their third year, students should develop the ability to carry out research on a topic on</p>	<p>A passing grade of B- in the core courses indicate competence in:</p> <p>Economic problem-solving and empirical-analysis skills according to the current best-practices, mathematical and computational skills, and awareness of the current state of the subject.</p> <p>A passing grade in the two comprehensive exams indicates a broad understanding of the current state of knowledge and methodology in the core areas of microeconomic and macroeconomic theory. A passing grade in the second year paper</p>	<p>Core first year courses in Microeconomic Theory (ECON811 and ECON813), Macroeconomic Theory (ECON816 and ECON817) and Econometrics (ECON850 and ECON851)</p> <p>Comprehensive examinations in microeconomic and macroeconomic theory.</p> <p>Completion of a second year research paper.</p> <p>Completion of three research topics courses during second year. Course offerings vary from year to year depending on availability of faculty (ECON910-8, ECON950-4).</p>	<p>Excellent understanding of economic knowledge that is at the forefront of the discipline.</p> <p>The ability to read and interpret complex analytical material with dexterity.</p>

	<p>the scale of a PhD dissertation and make progress towards one of the chapters of their PhD dissertation.</p>	<p>indicates the ability to formulate and conduct empirical and/or theoretical research according to established economic principles.</p> <p>A passing grade of B- in the research topics courses indicates deeper knowledge about research in the relevant specialized areas of study.</p>		
<p><b>Research and scholarship</b></p>	<p>1. The ability to conceptualize, design and implement research for the generation of new knowledge, applications or understanding at the forefront of economic analysis and to adjust the research design or methodology in light of unforeseen problems.</p> <p>2. The ability to make informed judgements on complex economic issues, sometimes requiring new analytical methods; and</p> <p>3. The ability to produce original research, or other advanced scholarship, of a quality to satisfy peer review, and to merit</p>	<p>Grades in research topics courses.</p> <p>Quality of second-year research papers</p> <p>Quality of presentation of second year papers to peers and faculty.</p> <p>Quality of presentation of thesis chapters to peers and faculty.</p> <p>Feedback from faculty on thesis papers to students and supervisors.</p> <p>Successful defense of the thesis.</p> <p>Publication in a research journal.</p>	<p>Completion of three research topics courses during second year and a second year research paper, as described above.</p> <p>Attendance and contribution to the PhD workshop (ECON999)</p> <p>Preparation of thesis papers and their presentation in departmental workshop.</p> <p>Thesis defense.</p>	<p>The ability to independently design a major project, research and identify the steps and knowledge necessary for its completion, find the appropriate resources, conduct the research, and communicate and disseminate the results to diverse audiences.</p>

	<p>publication.</p> <p>4. Achieving the preparation required for successful search for employment.</p>			
<b>Application of knowledge</b>	<p>The capacity to undertake pure and/or applied research at an advanced level.</p> <p>The capacity to contribute to the development of academic and professional skills, economic tools, practices, ideas, theories, approaches and/or learning materials.</p>	<p>Ability to transition from coursework to research mode, as evidenced by the progress of second-year research papers/thesis chapters.</p> <p>Quality of presentation of second year papers and of thesis chapters.</p> <p>Feedback from faculty on thesis papers to students and supervisors.</p>	<p>Completion of three research topics courses (ECON910-8) during second year and a second year research paper.</p> <p>Attendance and contribution to PhD workshop (ECON999)</p> <p>Presentation of second year research paper and job market thesis papers in departmental workshops.</p>	<p>The ability to conduct sophisticated research independently, and to synthesize the key findings of this research in ways that are accessible to different audiences.</p> <p>Expertise in framing persuasive arguments and mobilizing evidence to support them in a wide variety of settings.</p> <p>Ability to be involved in collaborative work, and to accept and conduct critical review.</p>
<b>Professional capacity/autonomy</b>	<p>1. The qualities and transferable skills necessary for employment requiring autonomous initiative in complex situations.</p> <p>2. The intellectual independence to be academically and professionally engaged in current research</p>	<p>Quality of presentation of second year papers and of thesis chapters. A successful defense of the thesis during the thesis examination as well as of the research papers in the presentations reflects the ability to independently formulate and conduct empirical and/or theoretical research</p>	<p>Attendance and contribution to PhD Workshop (ECON999).</p> <p>Interaction with departmental faculty and visiting researchers.</p> <p>Presentations at conferences.</p> <p>Thesis defense.</p>	<p>The ability to show initiative, take personal responsibility and accountability in professional settings.</p> <p>Intellectual independence necessary for continuing professional development.</p> <p>Ethical behavior and integrity in a variety of</p>

	<p>questions and policy debates.</p> <p>3. The ethical behaviour consistent with academic integrity and the use of appropriate procedures for responsible conduct of research.</p> <p>4. The ability to appreciate the broader implications of applying economic and statistical analysis to particular contexts.</p>	<p>according to established economic principles, and indicates wider acceptance of the ethical behavior involved in the research and its broader implications.</p> <p>Ability to interact with visiting researchers at a sophisticated level both in seminars and in informal settings.</p> <p>Feedback from conference attendees.</p>		<p>settings.</p>
<b>Communication Skills</b>	<p>The ability to communicate complex and sophisticated economic ideas, issues and conclusions clearly and effectively to multiple audiences.</p>	<p>Attendance and contribution to PhD Workshop (ECON999)</p> <p>Attendance and contribution to departmental research workshops.</p> <p>Presentations at conferences.</p>	<p>Quality of presentation of second year papers and of thesis chapters.</p> <p>Quality of contribution to discussions and debate during seminars.</p> <p>Feedback from conference attendees.</p>	<p>The ability to convey complex theoretical and research-based knowledge to different audiences.</p> <p>The ability to speak via the written word as well as via public speaking.</p> <p>The ability to make persuasive arguments in a concise manner.</p>
<b>Awareness of limits of knowledge</b>	<p>An understanding of dependence of conclusions on underlying assumptions and methodology, and of the limitations imposed by data availability on inference.</p>	<p>Grades in core and elective courses.</p> <p>Literature reviews, which are generally a required part of the research paper as well as in the thesis papers, helps foster the</p>	<p>Coursework</p> <p>Research and seminars</p>	<p>Ability to identify the current envelope of knowledge, and recognize gaps in current understanding which are necessary to fill in order to address contemporary and future problems faced by</p>

		<p>critical and analytical skills needed to identify the limitations of the student's own contribution to the discipline. The thesis examination, seminar discussions, and written comments on the research paper also facilitates this awareness by giving students the opportunity to respond to challenges of their views.</p>		<p>society.</p>
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