

Table 1. Planning for Learning and Assessment for the Master's Program in Applied Economics

1. What general outcomes are you seeking?	2. How would you know it (the outcome) if you saw it? (What will the student know or be able to do)?	3. How will you help students learn it? (In class or out of class)	4. How could you measure each of the desired behavior listed in #2?
<p>Upon the completion of the graduate program, we expect the student to be able to do the following:</p>	<p>We have identified specific activities that correspond to each of the outcomes listed in column one. Ability to complete these tasks is evidence that the student has achieved the corresponding outcome.</p>	<p>Students are expected to master a number of tools that will enable them to complete the activities listed in column two. Tools corresponding to each of the activities are listed below.</p>	<p>The skills and corresponding tools identified in columns 2 and 3 have been grouped according to core courses and other courses (including electives) students enroll in within alternative masters' program options (see attached table 2).</p>
<p>I. Access existing knowledge</p>	<p>Locate published research in various outlets, e.g. books, journals, and government documents.</p>	<p>Economic theory</p>	<p>We expect instructors will provide students with a variety of assessments including homework, quizzes, exams, writing assignments, research projects, and class presentations.</p>
<p>II. Master current economic thought and policy implications</p>	<p>Locate information on particular topics and issues in economics.</p>	<p>Information storage and retrieval systems</p>	<p>Every graduate student is required to complete a thesis or a capstone project. The thesis project is more comprehensive, and follows the general guidelines established by the Graduate school. The capstone project is carried out in conjunction with a graduate course in economics. To receive credit, the student is required to complete and present a substantial research project on an issue related to the material being covered in the graduate course. The student then presents his/her findings to an audience consisting of classmates, the Department Chair and the Graduate Program</p>
<p>III. Critically evaluate scholarly research in economics and allied fields</p>	<p>Search out economic data and information about their meaning and construction.</p>	<p>Economic theory</p>	
<p>IV. Articulate a research agenda</p>	<p>Develop tools appropriate for acquiring economic knowledge.</p>	<p>Quantitative methods</p>	
<p>V. Create/advance knowledge in economics.</p>	<p>State succinctly alternative economic perspectives and their policy implications, on an economic issue.</p>	<p>Information storage and retrieval systems</p>	
<p></p>	<p>Write a two-page summary of a refereed journal article for class presentation.</p>	<p>Economic theory</p>	
<p></p>	<p>Read and interpret economic analyses, including mathematical models, reported in refereed economics journals.</p>	<p>Quantitative methods</p>	
<p></p>	<p>Read and interpret quantitative analyses, including modern advances in quantitative</p>	<p>Information storage and retrieval systems</p>	
		<p>Economic theory</p>	
		<p>Quantitative methods</p>	
		<p>Economic theory</p>	
		<p>Quantitative methods</p>	
		<p>Written or oral communication</p>	
		<p>Economic theory</p>	
		<p>Quantitative methods</p>	
		<p>Written or oral communication</p>	
		<p>Economic theory</p>	

	<p>methods, reported in refereed economics journal articles.</p> <p>Write a two-page referee report on a journal article for class presentation.</p> <p>Communicate the results of an economic research to general public.</p> <p>Identify an economic problem that requires further investigation.</p> <p>Identify a shortcoming in theoretical aspects of a published research paper.</p> <p>Identify a weakness in empirical methodology of a published research paper.</p> <p>Modify an existing economic theory or empirical method to examine a problem.</p> <p>Critically investigate an economic problem using new theoretical or empirical advances in the field.</p> <p>Complete a research project (thesis/capstone) which describes/ demonstrates your investigation.</p> <p>Defend the findings in a formal setting for peer evaluation.</p>	<p>Quantitative methods</p> <p>Written or oral communication</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Written or oral communication</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Written communication</p> <p>Information storage and retrieval systems</p> <p>Written or oral communication</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Written or oral communication</p> <p>Information storage and retrieval systems</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Written or oral communication</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Written or oral communication</p> <p>Information storage and retrieval systems</p> <p>Economic theory</p> <p>Quantitative methods</p>	<p>Director.</p> <p>Department faculty members involved in teaching graduate courses and supervising capstone projects meet periodically to assess the effectiveness of the capstone experience and identify opportunities for improvement.</p>
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		Written or oral communication	
		Information storage and retrieval systems	
		Economic theory	
		Quantitative methods	
		Written or oral communication	
		Information storage and retrieval systems	
		Economic theory	
		Quantitative methods	
		Written communication	
		Information storage and retrieval systems	
		Economic theory	
		Quantitative methods	
		Oral communication	

**Table 2: Connecting Tasks and Tools to specific program requirements (Master's Program in Applied Economics)**

Program Requirements	Activities	Minimum Tools
<p><u>Core Courses:</u></p> <p>Students in all options must complete five core courses in basic economic theory, statistical methods, and technical writing. These courses are:</p> <hr/> <ul style="list-style-type: none"> <li>· Microeconomic Theory (ECO 440)</li> <li>· Macroeconomic Theory (ECO441)</li> </ul> <hr/> <ul style="list-style-type: none"> <li>· Intermediate Statistics (ECO 331)</li> <li>· Econometrics (ECO 438)</li> </ul> <hr/> <ul style="list-style-type: none"> <li>· Technical Writing (ENG 349)</li> </ul>	<ol style="list-style-type: none"> <li>1. Locate published research in various outlets, e.g. books, journals, and government documents.</li> <li>2. Locate information on particular topics and issues in economics.</li> <li>3. Search out economic data and information about their meaning and construction.</li> <li>4. Develop tools appropriate for acquiring economic knowledge.</li> <li>5. State succinctly alternative economic perspectives and their policy implications, on an economic issue.</li> <li>6. Write a two-page summary of a refereed journal article for class presentation.</li> <li>7. Read and interpret economic analyses, including mathematical models, reported in refereed economics journals.</li> <li>8. Read and interpret quantitative analyses, including modern advances in quantitative methods, reported in refereed economics journal articles.</li> </ol>	<p>Economic theory</p> <p>Information storage and retrieval systems</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Information storage and retrieval systems</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Information storage and retrieval systems</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Written or oral communication</p> <p>Economic theory</p>
<p><b>Sequence Required Courses</b></p> <p><b>A. For the 39-hour option in Applied Economics</b></p> <ul style="list-style-type: none"> <li>· <b>Economics Concentration (two courses)</b></li> <li>· Non-Economics Concentration (two courses)</li> </ul> <p><b>B. For the special sequence in Electricity, Natural Gas, and Telecommunication</b></p>	<ol style="list-style-type: none"> <li>1. Locate published research in various outlets, e.g. books, journals, and government documents.</li> <li>2. Locate information on particular topics and issues in economics.</li> <li>3. Search out economic data and information about their meaning and construction.</li> <li>4. Develop tools appropriate for acquiring economic knowledge.</li> <li>5. Read and interpret quantitative analyses, including modern advances in quantitative methods, reported in</li> </ol>	<p>Quantitative methods</p> <p>Written or oral communication</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Written or oral communication</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Written or oral</p>

<p><b>economics</b></p> <ul style="list-style-type: none"> <li>· Economics of Regulation (ECO 335)</li> <li>· Public Utilities Economics (ECO 435)</li> <li>· Seminar in Regulatory Economics (ECO 436)</li> </ul> <p><b>C. For the special sequence in Community and Economic Development</b></p> <ul style="list-style-type: none"> <li>· Community and Economic Development Tools (ECO 490.04)</li> <li>· Seminar in Economic Development Tools (ECO 490.04)</li> <li>· Seminar in Community Development ((POS 471.01)</li> <li>· Urban and Regional Planning (GEO 370)</li> <li>· Community Project Design &amp; Management ((POS 473)</li> </ul>	<p>refereed economics journal articles.</p> <ol style="list-style-type: none"> <li>1. Locate published research in various outlets, e.g. books, journals, and government documents.</li> <li>2. Locate information on particular topics and issues in economics.</li> <li>3. Search out economic data and information about their meaning and construction.</li> <li>4. Communicate the results of an economic research to general public.</li> </ol> <ol style="list-style-type: none"> <li>1. Locate published research in various outlets, e.g. books, journals, and government documents.</li> <li>2. Locate information on particular topics and issues in economics.</li> <li>3. Search out economic data and information about their meaning and construction.</li> <li>4. Develop tools appropriate for acquiring economic knowledge.</li> <li>5. State succinctly alternative economic perspectives and their policy implications, on an economic issue.</li> <li>6. Write a two-page summary of a refereed journal article for class presentation.</li> <li>7. Read and interpret economic analyses, including mathematical models, reported in refereed economics journals.</li> <li>8. Read and interpret quantitative analyses, including modern advances in quantitative methods, reported in refereed economics journal articles.</li> </ol>	<p>communication</p> <p>Economic theory</p> <p>Information storage and retrieval systems</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Information storage and retrieval systems</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Information storage and retrieval systems</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Information storage and retrieval systems</p> <p>Economic theory</p> <p>Information storage and retrieval systems</p> <p>Economic theory</p> <p>Information storage and retrieval systems</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Information storage and retrieval systems</p> <p>Written or oral communication</p> <p>Information storage and retrieval systems</p> <p>Written or oral communication</p> <p>Economic theory</p>
<p><b>D. For all three program options</b></p> <ul style="list-style-type: none"> <li>· Graduate Research in Applied Economics (ECO 498 (capstone Project))</li> </ul>	<ol style="list-style-type: none"> <li>1. Identify an economic problem that requires further investigation.</li> <li>2. Identify a shortcoming in theoretical aspects of a published research paper.</li> <li>3. Identify a weakness in empirical</li> </ol>	<p>Information storage and retrieval systems</p> <p>Economic theory</p> <p>Information storage and retrieval systems</p> <p>Economic theory</p> <p>Quantitative methods</p> <p>Information storage and retrieval systems</p> <p>Written or oral communication</p> <p>Information storage and retrieval systems</p> <p>Written or oral communication</p> <p>Economic theory</p>
<p><b>E. For both special sequences</b></p> <ul style="list-style-type: none"> <li>· Internship (ECO 498)</li> </ul>	<p><b>Elective Courses</b></p> <p><b>For all program options</b></p>	<p>Information storage and retrieval systems</p> <p>Written or oral communication</p> <p>Information storage and retrieval systems</p> <p>Written or oral communication</p> <p>Economic theory</p>

(May be taken outside the Department)	methodology of a published research paper.	Quantitative methods
	4. Modify an existing economic theory or empirical method to examine a problem.	Information storage and retrieval systems
		Economic theory
	5. Critically investigate an economic problem using new theoretical or empirical advances in the field.	Information storage and retrieval systems
		Economic theory
	6. Complete a research project (thesis/capstone) which describes/demonstrates your investigation.	Quantitative methods
	7. Defend the findings in a formal setting for peer evaluation.	Information storage and retrieval systems
		Economic theory
	1. Read and interpret economic analyses, including mathematical models, reported in refereed economics journals.	Quantitative methods
		Information storage and retrieval systems
	2. Read and interpret quantitative analyses, including modern advances in quantitative methods, reported in refereed economics journal articles.	Economic theory
		Quantitative methods
	3. Identify an economic problem that requires further investigation.	Economic theory
		Quantitative methods
	5. Complete a research project (thesis/capstone) which describes/demonstrates your investigation.	Written or oral communication
		Economic theory
	Quantitative methods	
1. Locate published research in various outlets, e.g. books, journals, and government documents.	Written or oral communication	
	Economic theory	
2. Locate information on particular topics and issues related to the course.	Quantitative methods	
	Written or oral communication	
3. Search out data and information about their meaning and construction.	Economic theory	
	Quantitative methods	
4. Develop tools appropriate for acquiring knowledge related to the subject under investigation.	Written or oral	

		communication Economic theory Quantitative methods Economic theory Quantitative methods Economic theory Quantitative methods Economic theory Quantitative methods Written or oral communication Economic theory Quantitative methods Written or oral communication Economic theory Quantitative methods Written or oral communication Economic theory Quantitative methods Written or oral communication Economic theory Quantitative methods Written or oral communication Economic theory Quantitative methods Written or oral communication
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