Assurance of Student Learning 2019-2020				
Gordon Ford College of Business Economics				
MA in Applied Economics - 0410				

Use this page to list learning	outcomes, measurements, and summarize results for your program. Detailed information must be completed	l in the subs	equent pages.	
Student Learning Outcon communication.	ne 1: Students will demonstrate ability to conduct economic research and to communicate their fi	indings usi	ng <u>written</u>	
Instrument 1 Direct: Analy	sis of Capstone Project			
Based on your results, circle or	highlight whether the program met the goal Student Learning Outcome 1.	Met	Not Met	
Student Learning Outcon visual aids.	ne 2: Students will demonstrate ability to convey research ideas and findings using oral commun	ication and	appropriate	
Instrument 1 Direct: Caps	tone Project Presentation			
Based on your results, circle or	highlight whether the program met the goal Student Learning Outcome 2	Met	Not Met	
Student Learning Outcon	ne 3: Students will demonstrate ability to apply econometric modeling techniques to study real-	world ques	tions.	
Instrument 1 Direct: Cours	e project in ECON 465 – Regression and Econometrics			
Based on your results, circle or	highlight whether the program met the goal Student Learning Outcome 3.	Met	Not Met	
Student Learning Outcon	ne 4: Students will demonstrate appropriate data skills necessary to conduct economic research.			
Instrument 1 Direct: Targe	ted assignments in ECON 506 – Applied Statistical Methods		1	
Based on your results, circle or	highlight whether the program met the goal Student Learning Outcome 4.	Met	Not Met	
Student Learning Outcon	ne 5: Students will demonstrate knowledge of statistical tools necessary to conduct economic res	earch.		
Instrument 1 Direct: Targe	ted assignments in ECON 506 - Applied Statistical Methods		1	
Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 5. Met Not Met				
Program Summary (Briefly	y summarize the action and follow up items from your detailed responses on subsequent pages.)			
proficiency on their ability	objectives have been met. Even though performance on SLO 4 and 5 suggest that student don't to use statistical methodology, SLO1, which is based on the capstone project, suggest that by proficiency required to conduct independent empirical research.			

Student Learning Outcome 1					
Student Learning Outcome	Students will demonstrate their ability to conduct economic research and to communicate their findings using written				
	communication.				
Measurement Instrument 1 Criteria for Student Success	DIRECT measures of student learning: Students in the MA in Applied Economics (0410) are required to complete an applied project at the end of the program. Under the mentorship of a faculty member, students choose a research topic, find the relevant data to conduct empirical tests, create an econometric model, and perform necessary data analysis to answer their research questions. Students are instructed to structure their papers similarly to an economics journal article and include an introduction, literature review, data and methodology section, analysis of empirical results, and a conclusion. Papers are evaluated on the following criteria: 1. Did the student formulate an appropriate research question grounded in economic theory? 2. Does the paper contain an adequate literature review? 3. Does the student clearly state the hypothesis and chose an appropriate econometric model to test the hypothesis? 4. Did the student correctly interpret the findings in the paper? 5. Did the student draw correct conclusions based on the results presented in the paper? 6. Did the student discuss limitations of the study and the general applicability of its results?				
Cineria for Student Success	At the end of the program, students should be able to perform at the level of Capstone (4) or Milestone (3) according to LEAP <i>Inquiry and Analysis</i> rubric.				
Program Success Target for this	Measurement	80% or more	Percent of Program Achieving Target	85.7%	
Methods	data cover the e faculty using a Topic Selection Limitations and average of the s	were collected from all students who completed the population of 2019-20 graduates of the population of 2019-20 graduates of the population of 2019-20 graduates of the population. The scores were an example and the population of	program (N=8). The papers were evaluate assigned based on LEAP <i>Inquiry and Ana</i> iews, (3) Design Process, (4) Analysis, for produced an average score for each page	ted by three economics alysis rubric items (1) (5) Conclusion and (6) aper by computing a simple	
Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 1. Met Not Met					

Student Learning Outcome 2					
Student Learning Outcome	Students will demonstrate their ability to convey research ideas and findings using oral communication and appropriate visual				
	aids.				
Measurement Instrument 1	DIRECT measu	ares of student learning: Students in the MA in	n Applied Economics (0410) are required	d to complete a	n applied
		nd of the program and present it to the econon			
		udents deliver a 20-25 presentation of their pr	rojects followed by a question/answer ses	ssion. The prese	entations are
		e following criteria:			
		e information presented effectively?			
		student correctly and effectively used econor	· · · · · · · · · · · · · · · · · · ·		
		ne visual aids (slides or handouts) used effecti	· · · · · · · · · · · · · · · · · · ·		
	4. Was the	e presentation well-focused around the central	l idea of the project?		
Criteria for Student Success	At the end of the	e program, students should be able to perform	n at the level of Capstone (4) or Milestor	ne (3) according	g to LEAP
	Oral Communic	cation rubric.			
Program Success Target for this	Program Success Target for this Measurement 80% or more Percent of Program Achieving Target 85.7%				
Methods		sed on direct observations of the students' pro			
	capstone project (ECON 596) and cover the entire population of 2019-20 graduates of the program (N=8). Three faculty				•
	members served as the assessment committee tasked with evaluating all of the project presentations to ensure consistency of				
	measurement. Students' presentations were rated on the three criteria listed above using a 1-4 scale for each criterion. The				
	scores were assigned based on LEAP <i>Oral Communication</i> rubric items (1) Organization, (2) Language, (3) Supporting				
	Material, (4) and Central Message. Using this rubric, each evaluator produced an average score for each presentation by				
	computing a simple average of the four items of the rubric, with each student receiving three scores – one from each evaluator				
and the mean of these three score was computed for each student.					
Based on your results, circle or	nighlight whether	the program met the goal Student Learning Ou	utcome 2.	Met	Not Met

Student Learning Outcome 3					
Student Learning Outcome	Students will demonstrate ability to apply econometric modeling techniques to study real-world questions				
Measurement Instrument 1	DIRECT measures of student learning: One of the core courses in the MA in Applied Economics (0410) is Regression and Econometrics (ECON465G), which is also one of the research methods courses in the program. During the course, students learn a variety of econometric techniques. At the end of the course, students have to complete a project during which they have to identify the appropriate econometric technique to study the assigned problem, perform required calculations and interpret their results. This project served as the instrument for measuring this learning objective. Specifically, the following items were assessed: 1. Was the student able to formulate the research question in terms of the appropriate econometric model? 2. Was the student able to perform necessary calculations to estimate the model? 3. Did the student correctly interpret the estimation results?				
Criteria for Student Success	At the end of the program, students should be able to perform at the level of Capstone (4) or Milestone (3) according to LEAP				
	Quantitative Literacy rubric.				
Program Success Target for this	Measurement 80% or more Percent of Program Achieving Target	92.3	3%		
Methods	The data were collected from all the graduate students enrolled in the ECON 465G course during the fall 2019 and spring 2020 semesters (N=13). The instructor of the course rated students' projects on the three criteria listed above using a 1-4 scale for each criterion. The scores were assigned based on LEAP <i>Quantitative Literacy</i> rubric items (1) Representation, (2) Calculation, (3) Application/Analysis. Using this rubric, an average score over these three items was computed for each student				
Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 2. Met Not Met					

Student Learning Outcome 4					
Student Learning Outcome	Students will	demonstrate appropriate data skills necess	ary to conduct economic research.		
Measurement Instrument 1	Direct: Targeted assignments in ECON 506 – Applied Statistical Methods course. Among the assignment given throughout the course, students were required to complete assignments that measured their competency in choosing and using the appropriate data skills necessary to perform subsequent data analysis. Skills addressed included importing data into statistical software, data management skills (e.g. merging, subsetting datasets) etc.				
Criteria for Student Success	Upon completion of the program, students should perform at the Intermediate or Advanced level.				
Program Success Target for this Measurement 80% or more Percent of Program Achieving Target 66.7%					%
Methods	1 – Beginner 2 – Beginner + 3 – Intermedia 4 – Advanced. The ratings are The data are co	intended to mirror the <i>Calculation</i> item in the llected from all of the students in the ECON 5	e LEAP <i>Quantitative Literacy</i> rubric. 506 course (N=9), a core course in the M		conomics.
Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 2. Met Not Met					

		Student Learning O	Outcome 5			
Student Learning Outcome	Students will demonstrate knowledge of statistical tools necessary to conduct economic research.					
Measurement Instrument 1	course, students	Direct: Targeted assignments in ECON 506 – Applied Statistical Methods course. Among the assignment given throughout the course, students were required to complete assignments that measured their competency in choosing and using the appropriate statistical tools necessary to conduct analysis of economic data.				
Criteria for Student Success	Upon completion	on of the program, students should perf	form at the Intermediate or Advanced	l level.		
Program Success Target for this	ram Success Target for this Measurement 80% or more Percent of Program Achieving Target 66.67%					
Methods	At the end of the instructor of the ECON 506 course assessed the knowledge of the students on the following scale: 1 – Beginner 2 – Beginner + 3 – Intermediate 4 – Advanced. The ratings are intended to mirror the <i>Calculation</i> item in the LEAP <i>Quantitative Literacy</i> rubric.					
Based on your results, circle or	The data are collected from all of the students in the ECON 506 course (N=9), a core course in the MA in Applied Economics. Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 2. Met Not Met					
Overall, three out of five target the Topic Selection, Design Pro- topic selection as one of the we While performance on SLO 4 a semester to examine if the drop	s set out for the pocess, Conclusion aker areas on SL and 5 is below the pin performance of for follow-up. If	e target, no additional action is planned was an isolated event or a persistent tre follow-up has occurred, describe how the a	lysis of the items in the SLO1 rubric an imporivement compared to the last at this time but a follow up will be cend.	eonducted at the en	e which identified	