



## Office of Undergraduate Research and Inquiry – Undergraduate Research Certificate

To recognize undergraduate students' excellence in undergraduate research, the Office of Undergraduate Research and Inquiry (OURI) has established the Undergraduate Research Certificate. Requirements for the Research Certificate include completion of 12 credits of research exposure, skill-building and intensive courses as well as dissemination of the outcomes of students' research and inquiry through a research presentation or exhibition.

### Research Skill-Building Courses

Courses such as “Research Methods” provide the skills and practices necessary and prepare students to participate in more intensive research and inquiry activities. Such skills and practices include: research deconstruction; identification and discovery of the research question or problem; reading and communication skills; information (meta-)literacy; introduction to research and ethics; problem-solving and critical thinking including interpreting information/results; employing appropriate methodologies; using technology to integrate research and inquiry into classrooms; and knowledge specific to the discipline.

Students develop intermediate-level discipline-specific research and inquiry skills and more in-depth knowledge of methodologies. Learning is guided through instruction-supported advanced experiences such as research discussions and critiques; practice writing or producing specific components of scholarly work with some scaffolding; studio or laboratory training; peer review and developing project proposals. Student works at this level emphasize the refinement of novice-level knowledge and skills and/or demonstrate the development of competency in specific components of the research and inquiry process or products. Courses which receive the research and inquiry skill building designation are expected to address at least three of the six [OURI SLOs](#) , with SLO 2 - Formulate Questions being a requirement.

Students are **required to complete 3 credits** of Research Skill-Building courses to be eligible for the Undergraduate Research Certificate. Approved courses can be found below based on individual colleges.



Florida Atlantic University Undergraduate Research Certificate – Research Skill-Building Courses		
<u>Course Name</u>	<u>Course Number</u>	<u>Credits</u>
<b>Dorothy F. Schmidt College of Arts and Letters</b>		
Archaeological Research Methods	ANT 4116	3
Research Methods in Bioarchaeology	ANT 4192	3
Research Methods in Cultural/Social Anthropology	ANT 4495	3
Architectural Research Methods and Analysis	ARC 3091	3
Architectural Theory	ARC 4219	3
Architectural Design 7	ARC 4327	3
Architectural Design 8	ARC 4328	3
Advanced Architectural Design 1	ARC 5328	3
Topical Design Studio	ARC 5352	3
Introduction to Urban Design	ARC 6305	3
Conflict and Communication	COM 3462	3
Principles of Research Writing	ENC 4138	3
Research and Bibliographic Methods	FOL 3880	3
Program Evaluation in Public Management	PAD 4320	3
Quantitative Inquiry for Public Managers	PAD 4702	3
Research Methods for Public Management	PAD 4704	3
RI: Research Methods in Political Science	POS 3703	3
Qualitative Research Methods	SYA 4310	3
Sociological Analysis: Quantitative Methods	SYA 4400	3
<b>College of Business</b>		
RI: Honors Seminar in Economics	ECO 4935	3
Health Research Methods	HSA 4700	3
Operations Management Applications	MAN 4504	3
Data Management and Analysis with Excel	QMB 3302	3
<b>College of Education</b>		
Responsible Conduct of Research	EDG 4361	2
<b>College of Engineering and Computer Science</b>		
Experimental Design and Data Analysis	CAP 2753	3
<b>Harriet L. Wilkes Honors College</b>		
Honors Research Methods in Cultural Anthropology	ANT 4495	3
Honors Introduction to Programming for Visual Art	ART 3657C	4
Honors Game Studies	ART 4640	4
Honors 3D Computer Game Development	ART 4653C	4
Honors Introduction to Data Science	COP 3076	3
Honors Religion and Politics in Latin America	CPO 4305	3
Honors Econometrics: Applied Regression Analysis	ECO 4412	3
Honors Interdisciplinary Critical Inquiry Seminar	IDS 3632	1-3
Honors Computational Social Science	ISS 4304	3



Honors General Microbiology	MCB 3020	3
Honors General Microbiology Lab	MCB 3020L	1
Honors Cell Biology	PCB 4102	4
RI: Honors Research Methods in Psychology	PSY 3213	3
Honors Research Methods in Psychology Lab	PSY 3213L	1
<b>Christine E. Lynn College of Nursing</b>		
Nursing Research	NUR 4165	3
<b>Charles E. Schmidt College of Science</b>		
Biochemistry 1	BCH 3033	3
Plant Physiology Lab	BOT 4503L	2
Plant Biotechnology	BOT 4734C	3
Life of a Biologist	BSC 2844	1
Introduction to Biological Research	BSC 3453	1
Biological Research Writing	BSC 3481	2
Honors Research	BSC 4917	3
Honors Thesis	BSC 4918	3
Special Topics	BSC 4930	1-3
Comparative Animal Behavior	CBH 4024	3
Organic Chemistry 1	CHM 2210	3
Quantitative Analysis	CHM 3120	2
Introduction to Physical Chemistry	CHM 3400	3
Inorganic Chemistry	CHM 3609	3
Critical Thinking in Environmental Science	EVS 4021	3
Introduction to Undergraduate Research 1	IDS 1911	1
Introduction to Undergraduate Research 2	IDS 1913	1
Fundamentals of Research and Inquiry	IDS 3910	1
Introduction to Undergraduate Research and Design	IDS 3911	1
Applied Mathematical Modeling	MAP 4103	3
Issues in Human Ecology	PCB 3352	3
Genetics Lab	PCB 4067L	3
Comparative Animal Physiology Lab	PCB 4723L	1
Cellular Neuroscience and Disease	PCB 4842	3
Research Methods in Psychology	PSY 3213	3
Experimental Design and Statistical Inference	PSY 3234	3
Introduction to Animal Locomotion	ZOO 4373	
<b>College of Social Work and Criminal Justice</b>		
Methods of Research in Criminal Justice	CCJ 4700	3
Research Methods in Social Work	SOW 4403	3