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| **1. Course title/number, number of credit hours** |
| IDS 1913 – Introduction to Undergraduate Research II: Lower division- 1 credit hour  |
| **2. Course prerequisites, corequisites, and where the course fits in the program of study** |
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| Permission of instructor |
| This 1-credit course expands student preparation for continued engagement in undergraduate research. |
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| **3. Course logistics** |
| *Term*: Spring 2018This is a classroom lecture course*Time*: Tuesday 12:30 - 1:50 pm (Lecture)

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| Presentations, class participation and project are required. Deadlines for submissions and dates for presentations will be provided. No extensions for project reports/presentations will be provided, except in documented emergencies.  |

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| **4. Instructor contact information** |
| *Instructor’s name**Office address**Office Hours* *Contact telephone number**Email address* | Donna Chamely-Wiik, PhDGS 209 By appointment 561-297-0046dchamely@fau.edu  |
| **5. TA contact information** |
| *TA’s name**Office address**Office Hours* *Contact telephone number**Email address* |  |
| **6. Course description** |
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| This 1-credit course will introduce first year students to the process of discovery as it relates to formulating research questions, preparing a research poster, and developing research communication skills. *Portions of this course were also developed as part of an NSF grant program, called LEARN™.* |

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| **7. Course objectives/student learning outcomes/program outcomes** |
| *Course objectives* |

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| 1. Provide students with skill building on the scientific process and nature of discovery
2. Develop student's ability to conduct a literature review and identify research questions
3. Provide students with the tools for developing a research poster
4. Develop student’s communication and presentation skills for a research poster
5. Expose students to opportunities related to graduate education and funded research
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| *Student learning outcomes**& relationship to ABET a-k objectives* |

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| 1. Ability to define research topics, review literature, and formulate research questions/hypotheses (a, e, f, h, k)
2. Ability to prepare a research poster presentation with experimental plans within an ethical conduct of research (a, b, c, f, j, k)
3. Ability to communicate and make a research poster presentation (d, g, k)
4. Ability to conduct research in a mentored setting (a,b,d,e,f,g,h,i,j,k)
5. Ability to understand the importance of lifelong learning
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| **8. Course evaluation method**  |
| **Item** | **IDS2913** | *Note*: Class participation and discussions are important. Attendance to scheduled class time is part of the grade.Presentations are required. |
| Final poster | 15% |
| Assignments/assessments | 35% |
| CAT/Focus group | 10% |
| Class participation and attendance | 10% |
| Apprenticeship  | 30% |  |
| **9. Course grading scale** |
| 92-100 | A | * The minimum score to pass IDS1913 varies by department
* Overall performance as related to course objectives and outcomes is evaluated and considered during grading.
* Achievement below 60% on an assignment is considered failure to meet the module objectives.
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| 90-91 | A- |
| 88-89 | B+ |
| 82-87 | B |
| 80-81 | B- |
| 78-79 | C+ |
| 72-77 | C |
| 70-71 | C- |
| 68-69 | D+ |
| 62-67 | D |
| 60-61 | D- |
| <59 | F |
| **10. Policy on makeup tests, late work, and incompletes** |
| *Makeups* are given only if there is solid evidence of a medical or otherwise serious emergency that prevented the student of participating in the exam. *Late work* is unacceptable.*Incomplete grades* are against the purpose of this class. Unless there is solid evidence of medical or otherwise serious emergency situation, incomplete grades will not be given. |

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| **11. Special course requirements** |
| None |
| **12. Classroom etiquette policy** |
| University policy requires that in order to enhance and maintain a productive atmosphere for education, personal communication devices, such as cellular phones and laptops, are to be disabled in class sessions. |
| **13. Disability policy statement** |
| In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS)—in Boca Raton, SU 133 (561-297-3880); in Davie, LA 203 (954-236-1222); or in Jupiter, SR 110 (561-799-8585) —and follow all SAS procedures. |
| **14. Honor code policy** |
| Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and place high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. See University Regulation 4.001 at [www.fau.edu/regulations/chapter4/4.001\_Code\_of\_Academic\_Integrity.pdf](http://www.fau.edu/regulations/chapter4/4.001_Code_of_Academic_Integrity.pdf)  |
| **15. Required texts/reading** |
| * Canvas registration
* Handouts/lecture notes provided by instructor
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| **16. Supplementary/recommended readings** |
| Getting In: The Insider's Guide to Finding the Perfect Undergraduate Research Experience Authors: David G. Oppenheimer and Paris H. GreyPaperback: 178 pagesPublisher: Secret Handshake Press; 1 edition (September 1, 2015)ISBN-10: 0692488340ISBN-13: 978-0692488348 |

| **Week**  | **Date**  | **Topic**  | **Assignment** |
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| Week 1 | January 8, 2018 | Syllabus, Expectations, Introduction to Undergraduate Research and the Scientific Process | Homework: Discussion Board: Introduce Yourself to the Class Homework: Canvas Syllabus Quiz Both due January 14th at midnight |
| Week 2  | January 15, 2018 | Holiday (Martin Luther King Day)**Apprenticeship week**  | Apprentice log week 1 |
| Week 3 | January 22, 2018 | Literature Search and Review  | Homework: Literature searchDue January 28th at midnight  |
| Week 4 | January 29, 2018 | **Apprenticeship week**Developing a theoretical research question  | In Class Peer ReviewApprenticeship log week 2Homework: Read the article for in class peer review and identify the hypothesisDue February 4th at midnight  |
| Week 5 | February 5, 2018 | **Apprenticeship week**Deconstructing a Hypothesis | In Class Peer ReviewApprenticeship log week 3Homework: Revise HypothesisDue February 11th at midnight  |
| Week 6 | February 12, 2018 | **Apprenticeship week** Research Design and developing a Research Plan of Action | Apprentice log week 4 |
| Week 7 | February 19, 2018 | Ethical Conduct, Research Compliance/Integrity, Tech Transfer, Course Review | Homework: Ethics Codes Due February 25th at midnight  |
| Week 8 | February 26, 2018 | Communicating Results, Writing for Research, (*Create a Poster and Oral Presentation Workshop*) |  |
| Week 9 | March 5, 2018 | Spring Break (March 5 – March 11, 2018)Deadline for OURI Undergraduate Symposium Poster |  |
| Week 10 | March 12, 2018 | **Apprenticeship week** Interpreting Results | In Class Poster Feedback Peer Review Apprenticeship log week 5Homework: Revised Poster with Faculty Mentor Approval Due March 18th at midnight |
| Week 11 | March 19, 2018 | **Apprenticeship week**OURI Undergraduate Research Symposium | Attend or present |
| Week 12 | March 26, 2018 | **Apprenticeship week**Applying to Graduate School Workshop | Attend |
| Week 13 | April 2, 2018 | **Poster peer review**Financing Research and Graduate Education Workshop | Attend |
| Week 14 | April 9, 2017 | **Final Poster Presentations** | Homework: Poster Due in class for presentation |
| Week 15 | April 16, 2017 | **Final Poster Presentations** | CAT ExamTBA – PS226 |
| Week 16 | April 23, 2018 | **Final Evaluations** | Focus Group for NSF LEARNTBA – PS226 |