**Instructor Information**

Instructor: Michael Bowler  
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**Course Identification**

Course Number: UN5500  
Course Name: Research Integrity  
Course Location: M&M U115  
Class Times: May 4th, 5th and 6th from 10am - noon and 1:30pm - 3:30pm  
Prerequisites: None

**Course Description/Overview/Learning Objectives**

This course introduces students to research integrity and satisfies the advanced responsible conduct of research training required by the Graduate School. Beyond simply learning the principles of responsible conduct of research, we will explore the philosophical foundations of research ethics. This includes situating research ethics within the broader structures of our ethical obligations and responsibilities, e.g., understanding the implications of unethical conduct, examining what makes people act unethically, investigating the principles that ground ethical obligations and responsibilities. It also includes examining the unique characteristics of research ethics. For instance, we will explore the purpose of research in its general, societal and professional contexts and connect the principles of responsible conduct of research to these. In sum, we will be exploring the question of why research integrity is important as much as the question of how one can achieve it.

**Course Resources**

**Required Course Text**

- *Introduction to the Responsible Conduct of Research* by Nicholas H. Steneck (Office of Research Integrity). Found at: [http://ori.dhhs.gov/ori-intro](http://ori.dhhs.gov/ori-intro) or [http://www.mtu.edu/research/administration/integrity-compliance/responsible-conduct/](http://www.mtu.edu/research/administration/integrity-compliance/responsible-conduct/). It is also on the course's canvas page under the “files” section.
Grading Policy

Grades will be based on attendance, in class assignments and a final, online multiple choice exam. Students will be required to attend every section of the class on each of the three days that it is offered. Absence from any part of the course will result in a failing grade for the course.

The final exam will be based on lectures as well as the reading from *Introduction to Responsible Conduct of Research*. The exams will be open book and open notes. Students may not consult any other person - including a fellow student - for the purpose of completing the exam. The exam must be completed no later than a week after the completion of the course – 5/13/2015 by 5pm. If you cannot complete the exam by the deadline because of unforeseen circumstances please talk to me on the first day of class so that we can make other arrangements. The exam will be administered through the course’s canvas page. The final exam will be worth 60% of the final grade.

Students must also complete all in class assignments. In class assignments will be graded pass/fail. The in class assignments will be worth 40% of the final grade.

**Students must receive a C grade or better in the course in order to fulfill the University’s advanced RCR requirement.**

Grading System:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage</th>
<th>Grade points/credit</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93% &amp; above</td>
<td>4.00</td>
<td>Excellent</td>
</tr>
<tr>
<td>AB</td>
<td>88% - 92%</td>
<td>3.50</td>
<td>Very good</td>
</tr>
<tr>
<td>B</td>
<td>82% - 87%</td>
<td>3.00</td>
<td>Good</td>
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<tr>
<td>BC</td>
<td>76% - 81%</td>
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<td>Above average</td>
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<tr>
<td>C</td>
<td>70% - 75%</td>
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<td>Average</td>
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<tr>
<td>CD</td>
<td>65% - 69%</td>
<td>1.50</td>
<td>Below average</td>
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<tr>
<td>D</td>
<td>60% - 64%</td>
<td>1.00</td>
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</tr>
<tr>
<td>F</td>
<td>59% and below</td>
<td>0.00</td>
<td>Failure</td>
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</table>
**Course Policies**

Absolutely no electronic devices may be used during class. Please turn off all electronic devices before class.

**University Policies**

Student work products (exams, essays, projects, etc.) may be used for purposes of university, program, or course assessment. All work used for assessment purposes will not include any individual student identification.

Michigan Tech has standard policies on academic misconduct and complies with all federal and state laws and regulations regarding discrimination, including the Americans with Disabilities Act of 1990. For more information about reasonable accommodation for or equal access to education or services at Michigan Tech, please call the Dean of Students Office, at (906) 487-2212 or go to http://www.mtu.edu/provost/faculty-resources/syllabus-policies/

**Course Schedule**

**May 4th**

Anatomy of misconduct  
What makes us do good and what makes us do evil? An introduction to moral psychology  
Approaches to ethics  
Reading: *Introduction to Responsible Conduct of Research*, pp. 1 – 30

**May 5th**

The Professional, Social and Human foundations of Research Ethics  
What is the purpose of research?  
The Values that Guide Research Integrity  
Research Misconduct  
Violations and Sanctions  
Conflicts of Interest  
Collaborative Research  
Reading: *Introduction to Responsible Conduct of Research*, pp. 67 - 82, 117 - 128

**May 6th**

Authorship and Publication  
Peer Review  
Reading: *Introduction to Responsible Conduct of Research*, pp. 129 - 158.