

# **BICH 485-507**

## **Community Assessment of Community Annotation with Ontologies (CACAO)**

### **Prerequisites**

There are no specific course prerequisites, but you will need to be an active learner, undaunted by the challenge of digging for information and unafraid to ask questions when you get stuck.

### **Over-Reaching CACAO Learning Objective:**

- students will gain an understanding of where our knowledge of gene products comes from and what techniques scientists used to characterize them.

### **CACAO Course Learning Objectives - Upon completion of this course, the student should be able to:**

1. critically analyze scientific papers and identify experimental evidence for functional annotations.
2. seek information from online resources and add annotations to GONUTS.
3. formulate annotations using GO terminology while working effectively in a group.
4. evaluate peer-contributed annotations, construct challenges and prepare appropriate defenses.

### **Coaches Information**

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### **Grading Policies**

Letter graded or pass/fail. Attendance is mandatory.

Grades will be based on:

- o Attendance
  - o Participation in group work
  - o Annotations
  - o Challenges
1. The course will be graded on a curve with a median letter grade being somewhere in the B's as indicated in the rubrics below.
  2. The synthesis of annotations and challenges is likely to be challenging.

3. There will be no opportunity to earn extra credit by doing extra work.
4. Points distribution:

Self Assessment	25
Peer Assessment	100
Coaches Assessment	75
Attendance	20
Annotations	100
Challenges	100
<b>Total</b>	<b>420</b>

**Aggie Honor Code:**

**“An Aggie does not lie, cheat, or steal or tolerate those who do.”**

Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System. For additional information please visit: [www.tamu.edu/aggiehonor/](http://www.tamu.edu/aggiehonor/)

**The Americans with Disabilities Act (ADA)**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services in Cain Hall Rm. B118, 845-1637.

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**Course Calendar**

<b>Week of (2011)</b>	<b>Main Topic(s)</b>
Jan 18	<ul style="list-style-type: none"> <li>· intro to competition format</li> <li>· Gene Ontology &amp; evidence codes</li> <li>· Using GONUTS website</li> </ul>
Jan 25	<ul style="list-style-type: none"> <li>· finding valid papers</li> <li>· practice &amp; example #1</li> </ul>
Feb 1	<ul style="list-style-type: none"> <li>· practice and examples #2 &amp; #3</li> <li>· assignment of groups</li> </ul>

Feb 8	Annotation Round #1
Feb 15	Challenge Round #1
Feb 22	Annotation Round #2
Mar 1	Challenge Round #2
Mar 8	Annotation Round #3
Mar 22	Challenge Round #3
Mar 29	Annotation Round #4
Apr 5	Challenge Round #4
Apr 12	Annotation Round #5
Apr 19	Challenge Round #5
Apr 26	Summary & Wrap-Up