### Course Request

**5700 - Status: PENDING**

**Last Updated:** Mercerhill, Jessica Leigh 10/09/2012

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**Term Information**

<table>
<thead>
<tr>
<th>Effective Term</th>
<th>Spring 2013</th>
</tr>
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</table>

**General Information**

<table>
<thead>
<tr>
<th>Course Bulletin Listing/Subject Area</th>
<th>Education: Teaching &amp; Learning</th>
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<tbody>
<tr>
<td>Fiscal Unit/Academic Org</td>
<td>School of Teaching &amp; Learning - D1275</td>
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<td>College/Academic Group</td>
<td>Education &amp; Human Ecology</td>
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<td>Level/Career</td>
<td>Graduate, Undergraduate</td>
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<tr>
<td>Course Number/Catalog</td>
<td>5700</td>
</tr>
<tr>
<td>Course Title</td>
<td>Training in Science Education Outreach</td>
</tr>
<tr>
<td>Transcript Abbreviation</td>
<td>TrnSciEdOutreach</td>
</tr>
<tr>
<td>Course Description</td>
<td>Provides hands-on exposure to science education at the Center of Science and Industry (COSI). Students will learn to explain a specific set of experiments centered on the study of language, and will also receive general training in how to present scientific information to a general audience.</td>
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| Semester Credit Hours/Units          | Fixed: 3 |

**Offering Information**

<table>
<thead>
<tr>
<th>Length Of Course</th>
<th>14 Week, 7 Week, 4 Week (May Session)</th>
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<tbody>
<tr>
<td>Flexibly Scheduled Course</td>
<td>Sometimes</td>
</tr>
<tr>
<td>Does any section of this course have a distance education component?</td>
<td>No</td>
</tr>
<tr>
<td>Grading Basis</td>
<td>Letter Grade</td>
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<tr>
<td>Repeatable</td>
<td>No</td>
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<tr>
<td>Course Components</td>
<td>Lecture</td>
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<td>Grade Roster Component</td>
<td>Lecture</td>
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<tr>
<td>Credit Available by Exam</td>
<td>No</td>
</tr>
<tr>
<td>Admission Condition Course</td>
<td>No</td>
</tr>
<tr>
<td>Off Campus</td>
<td>Always</td>
</tr>
<tr>
<td>Campus of Offering</td>
<td>Columbus</td>
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**Prerequisites and Exclusions**

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<th>Prerequisites/Corequisites</th>
<th>Permission of instructor.</th>
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<td>Exclusions</td>
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**Cross-Listings**

**Cross-Listings**

| Cross-Listings | PSYCH 5700, LING 5700 |

**Subject/CIP Code**

<table>
<thead>
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<tr>
<td>Subsidy Level</td>
<td>Masters Course</td>
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<tr>
<td>Intended Rank</td>
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**Quarters to Semesters**
Requirement/Elective Designation

The course is an elective (for this or other units) or is a service course for other units

Course Details

Course goals or learning objectives/outcomes

• To provide hands-on exposure to science education. Students will learn to explain a specific set of experiments centered on the study of LANGUAGE, and receive general training in how to present scientific information to a general audience.

Content Topic List

• Introduction to the Language Sciences
• Introduction to the Language Pod
• Nature of Scientific Inquiry
• How to talk to COSI visitors
• Recruitment Procedures and Experimental Overview
• Science Education in a Museum Setting

Attachments

• COSI language pod course fall 2012 syllabus.doc
  (Syllabus. Owner: Mercerhill,Jessica Leigh)
• Linguistics Concurrence.docx
  (Concurrence. Owner: Mercerhill,Jessica Leigh)
• PSYCH 5700- Petty Concurrence.pdf
  (Concurrence. Owner: Mercerhill,Jessica Leigh)

Comments

• Approved by GSC. Oct 9, 2012. (by Mercerhill,Jessica Leigh on 10/09/2012 10:12 AM)

Workflow Information

<table>
<thead>
<tr>
<th>Status</th>
<th>User(s)</th>
<th>Date/Time</th>
<th>Step</th>
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<tbody>
<tr>
<td>Submitted</td>
<td>Mercerhill,Jessica Leigh</td>
<td>10/08/2012 09:51 AM</td>
<td>Submitted for Approval</td>
</tr>
<tr>
<td>Approved</td>
<td>Mercerhill,Jessica Leigh</td>
<td>10/09/2012 10:12 AM</td>
<td>Unit Approval</td>
</tr>
<tr>
<td>Pending Approval</td>
<td>Achterberg,Cheryl L Blount,Jackie Marie Odum,Sarah A. Zircher,Andrew Paul</td>
<td>10/09/2012 10:12 AM</td>
<td>College Approval</td>
</tr>
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</table>
EDU Teaching and Learning 5700
Training in Science Education Outreach

Lecture# 3 credit hours MWF 3:00 – 3:55pm 136 Jennings Hall

Instructor Info:
Office: Phone: Office hours: Email:

Course Objectives:
The purpose of this course is to provide hands-on exposure to science education. Students will learn to explain a specific set of experiments centered on the study of LANGUAGE, and will also receive general training in how to present scientific information to a general audience. Much of the class will be conducted at the Center of Science and Industry (COSI) museum and students will spend significant amounts of time acting as informal science educators with visitors to the museum.

Pre-Requisites:
All students must have permission of the instructor to enroll.

Course Materials:
REQUIRED:
• Assorted articles (available on the Carmen site)

OPTIONAL:
• Linguistics Department (2011) *The Language Files.* Columbus, OH: Ohio State University Press. (This is the 11th edition, but you may find older editions to be helpful.)

Course Requirements:
This course requires a large time commitment and a willingness to take responsibility for doing independent work. If you do not have the time or the interest to meet all of the following requirements, please do NOT take this course. You will receive a letter grade in this course that reflects both your participation in all required activities as well as the quality of your performance in those activities.

• *Attendance (30% of your grade).* You are expected to attend all scheduled classes as well as all your independently scheduled COSI hours. For in-class hours, please note that you must not only attend, but be prepared and be an active participant in class. You should be prepared to discuss the readings listed for each class during that class. For independently scheduled hours, you are expected to work 2 hours at COSI for every class period we do not meet as a group. That is, if we do not meet at all during a week, you should plan on working 6 hours at COSI; if we meet only once during a week, you should work at COSI for 4 hours that week. See the scheduling handout for full instructions about how to choose your hours and use the hours tracking program.
It is UNACCEPTABLE for you to skip class or to skip your scheduled COSI hours. You will have some control over when to schedule your COSI times and you are expected to choose times that you can make. If you miss more than two class meetings or two COSI shifts you may lose ALL of your attendance points.

- **Written Assignments (30% of your grade).** There will be a series of short written assignments to insure that you are understanding the readings and are fully prepared to undertake your responsibilities. These assignments are noted in the schedule below along with their due dates. Each written assignment is worth an equal proportion of these points. Be sure to review the handout about formatting guidelines for assignments that you turn in to me.

- **Journal (10% of your grade).** You are expected to keep a written journal of your experiences at COSI. You should write around 100 words per shift and you will be asked to turn in your journal at a few points during the semester, as noted in the schedule.

- **Oral Presentations (Practice: 10% of your grade; In the Field: 20% of your grade).** Part of your COSI responsibilities involve talking to the visitors at COSI. You are required to practice either a demonstration or a recruitment spiel with me to insure that you know what you’re doing. You will also be observed at least once at COSI interacting with visitors and will be graded on your performance in there in the field as well.

**Grading:**
The following grade pattern will be used:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
<th>Notes</th>
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<tbody>
<tr>
<td>A</td>
<td>93 – 100</td>
<td>A- 90 - 92</td>
</tr>
<tr>
<td>B+</td>
<td>87 – 89</td>
<td>B- 80 – 82</td>
</tr>
<tr>
<td>B</td>
<td>83 – 86</td>
<td></td>
</tr>
<tr>
<td>C+</td>
<td>77 – 79</td>
<td>C- 70 – 72</td>
</tr>
<tr>
<td>C</td>
<td>73 – 76</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>60 - 69</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>below 60</td>
<td></td>
</tr>
</tbody>
</table>

**Disability Services:** Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated, and should inform the instructor as soon as possible of their needs. The Office for Disability Services is located in 150 Pomerene Hall, 1760 Neil Avenue; telephone 292-3307, TDD 292-0901; http://www.ods.osu-state.edu/.

**Academic Misconduct:** It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct (http://studentaffairs.osu.edu/info_for_students/csc.asp).
Schedule

Week 0

Weds 8/22 (meet on campus)
• Introduction to course and all course requirements

Fri 8/24 (meet on campus)
• Introduction to the Language Sciences
• READINGS: CHAPTERS 1 – 4 IN PINKER

Week 1

Mon 8/27 (meet on campus)
• More on the Language Sciences
• READINGS: CHAPTERS 5 - 7 IN PINKER AND ANY 3 MYTHS IN BAUER & TRUDGILL
• WRITTEN ASSIGNMENT 1: Choose a language myth from B&T. Describe it and explain why it is a myth (and not true). Write this up in NO MORE than 500 words. It is due next class, on 8/29.

Weds 8/29 (meet at COSI in main lobby)
• Introduction to the Language Pod
• READINGS: METHODS PAPER ON EYE-TRACKING, TBA
• WRITTEN ASSIGNMENT 1 IS DUE TODAY IN CLASS.
• WRITTEN ASSIGNMENT 2: Get CITI-trained. See the handout about how to make this happen. I expect verification of completion by Monday, 9/10.

Fri 8/31 NO CLASS
• Use your free pass to COSI and take a visit! While you are there you should fill out the COSI Visit worksheet – it is due in class on Wednesday 9/5.

Week 2

Mon 9/3 NO CLASS: Happy Labor Day!

Weds 9/5 (meet on campus)
• More on the Language Sciences
• READINGS: CHAPTERS 8 - 10 IN PINKER AND SOCIOLINGUISTICS PAPER, TBA
• GUEST SPEAKER: KATHRYN CAMPBELL-KIBLER
• COSI WORKSHEET IS DUE TODAY IN CLASS

Fri 9/7 (meet on campus)
• More on the Language Sciences
• READINGS: CHAPTERS 11 - 13 IN PINKER AND PHONETICS/PHONOLOGY OVERVIEW PAPER, TBA

Week 3

Mon 9/10 (meet on campus)
• Official orientation to COSI (on-boarding) with guest speaker Andy Aichele, Director of Human Capital Development at COSI
• Verification of CITI training and Conflict of Interest completion due today.

Weds 9/12 (meet on campus)
• Nature of Scientific Inquiry
• Readings: Gould Paper.

Fri 9/14 (meet on campus)
• More on the Language Sciences
• Readings: On Specific Language Impairment (SLI), TBA
  Guest speakers: John Grinstead & Allison Bean

• Written Assignment 3: Write up a brief presentation for COSI visitors about any
  three elements we’ve covered in class. These should each be NO MORE than 100 words each.
  They can be about general topic areas (e.g. sociolinguistics, language development, the scientific
  method), specific topic elements (e.g. dialects in Ohio, online language processing, experimental
  counter-balancing), or related to demonstrations (e.g., how to read a sound spectrogram, syntactic
  ambiguities). These written versions of three presentations are due on Weds 9/19.

Week 4
Mon 9/17 (meet on campus)
• How to talk to COSI visitors with guest speaker Andy Aichele, Director of Human
  Capital Development at COSI

Weds 9/19 (meet on campus)
• Review of Language Sciences Concepts and Topic Areas
• Written Assignment 3 Due in Class Today.

Fri 9/21 (meet on campus)
• Recruitment Procedures and Experimental Overview

Week 5
Mon 9/24 (meet on campus)
• Oral Presentations in class (Graded)

Weds 9/26 (meet at Pod)
• Final walk-through at Pod. Demonstrations Overview.
  Journal Writing: You are expected to write a journal entry for every self-scheduled
  COSI shift. Please see the handout for details about what to write and when to turn in portions of your
  journal.

Fri 9/28 NO CLASS (Self-Scheduled Hours begin)

Week 6
NO CLASS THIS WEEK
You should work a total of 8 self-scheduled hours between Thursday 9/27 and Sunday, 10/7.
Week 7
NO CLASS on M or F. You should work a total of 4 self-scheduled hours between Monday, 10/8 and Sunday, 10/14.

Weds 10/10 (Meet at Pod)
• Class discussion: What’s working, what’s not. Trouble-shooting and questions.
• Part I of Journal Writing is due in class today.

Week 8
NO CLASS THIS WEEK
You should work a total of 6 self-scheduled hours between Monday 10/15 and Sunday, 10/21.

Week 9
NO CLASS on M or F. You should work a total of 4 self-scheduled hours between Monday, 10/22 and Sunday, 10/28.

Weds 10/24 (Meet at Pod)
• Class discussion: What’s working, what’s not. Trouble-shooting and questions.
• Part II of Journal Writing is due in class today.

Week 10
NO CLASS on M or F. You should work a total of 4 self-scheduled hours between Monday, 10/29 and Sunday, 11/3.

Weds 10/31 (Meet at Pod)
• Science Education in a Museum Setting
• Readings: Falk & Storksdieck article

Week 11
NO CLASS on M or F. You should work a total of 4 self-scheduled hours between Monday, 11/5 and Sunday, 11/11.

Weds 11/7 (Meet at Pod)
• Class discussion: What’s working, what’s not. Trouble-shooting and questions.
• Part III of Journal Writing is due in class today.

Weeks 12 - 13
NO CLASS.
Because of the holidays (Veterans’ day and Thanksgiving), you should work a total of 6 self-scheduled hours between Monday 11/12 and Sunday 11/25.

Week 14
NO CLASS.
You should work a total of 6 self-scheduled hours between Monday 11/26 and Sunday 12/2.
• BE AWARE: You will be observed and graded this week on your presentations to COSI visitors!

Week 14+
Mon 12/3 (on campus)
• Evaluation and discussion of the course.
• PART IV OF JOURNAL WRITING IS DUE IN CLASS TODAY.
Dear Jessica:
I am writing about the course entitled "Training in Science Education Outreach." This course is currently listed as PSYCH 5700 and is cross-listed in the Linguistics department as LING 5700. I am pleased to support the proposal from Teaching and Learning to have the course additionally cross-listed as EDUTL 5700 (or with a similar number in the EDUTL listings). As chair of the Psychology department, I can affirm that our department is in favor of having this course cross-listed in Teaching and Learning. Please let me know if you have any questions.
Sincerely,
Richard Petty
Chair, Department of Psychology

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Richard E. Petty
Distinguished University Professor and Chair
Department of Psychology
Ohio State University
Columbus, OH 43210

www.psy.ohio-state.edu/petty
Subject: Letter of Support for Cross-Listing COSI course

Date: Monday, September 17, 2012 2:44 PM

From: Shari Speer <speer@ling.osu.edu>

Reply-To: speer@ling.osu.edu

To: Jessica Mercerhill <jmercerhill@ehe.osu.edu>

Cc: Laura Wagner <wagner.602@osu.edu>

Conversation: Letter of Support for Cross-Listing COSI course

Dear Jessica,

I am writing with regard to the course, "Training in Science Education Outreach". This course is currently listed as PSYCH 5700 and is cross-listed in the Linguistics department as LING 5700. I am pleased to support the proposal from Teaching and Learning to have the course additionally cross-listed as EDUTL 5700 (or with a similar number in the EDUTL listings). As chair of the Linguistics department, I can affirm that we are in favor of having this course cross-listed in Teaching and Learning.

best,

Shari

Shari R Speer
Professor and Chair
OSU Linguistics