

# Graduate Proseminar

CLPS 2000 | CRN 15218 | **Fall 2012** | **330 Metcalf** | **MW 2:00–3:50 p.m.**

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Office hours: Tue 3-4 p.m. & by apptmt (Metcalf 357)

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**Overview.** This required course for first-year Ph.D. students in Cognitive, Linguistic, and Psychological Sciences has three main goals. First, it introduces new students to the CLPS department and the university, provides a brief history of the disciplines, philosophical foundations, and ethical treatment of human subjects. Second, it provides professional training, such as preparation of CV and research statement, practice in grant writing, and foundations in scientific writing and presentation. Third, it supports students' early stages of developing a first-year project.

## *Course Requirements*

There are no exams and there is no final paper. The purpose of the course is instead to combine teacher instruction with student-teacher collaboration and student contributions. The course is specifically designed for students to actively take part in it and help shape it.

1. Attend **all class meetings** as specified in the syllabus and schedule (which will be updated throughout the term).
2. **Read** the [assigned material](#).
3. Prepare small **in-class assignments** (e.g., introducing your advisor or a faculty member).
4. Attend *all* department-wide **colloquia, FYP talks, and dissertation defenses**. These events are marked **in green** in the schedule below.  
*Note:* There is a maximum of one unexcused absence. In case of illness or other unavoidable obstacles, please notify me of your absence in advance.
5. Attend at least one **brownbag talk** in *each* area (Language, Perception, Cognition, Social Cognitive Science). These events are also marked **in green** in the schedule below and will be updated as information becomes available.
6. Write a **summary and critique** (form and content) of *one* colloquium presentation and of *one* brownbag talk (due no later than Dec 10).
7. Write a **grant proposal**.
8. Create a **public professional identity** (CV, research statement, 1-min self-introduction).
9. **Presentation** of your first-year research informally on November 7 and as a talk or poster on December 3 or 5.
10. One **individual assignment** in which you contribute a small portion to a lecture topic after meeting with me (see schedule below).

## Overview Schedule

Mon	10-Sep	CLPS now: programs, areas, faculty, vision, resources
Wed	12-Sep	CLPS history
Mon	17-Sep	Brown: History and resources
Wed	19-Sep	Human Subjects, research ethics
Mon	24-Sep	History of linguistics, psychology, and cognitive science
Wed	26-Sep	History of linguistics, psychology, and cognitive science
Mon	1-Oct	Philosophy of science I
Wed	3-Oct	Philosophy of mind I
Mon	8-Oct	No meeting (fall weekend)
Wed	10-Oct	Philosophy of mind II: Discussion
Mon	15-Oct	Professional writing I: Basics
Wed	17-Oct	Professional writing II: Types of contributions
Mon	22-Oct	Grant applications I: Elements and samples
Wed	24-Oct	No meeting (Thanksgiving)
Mon	29-Oct	TBD
Wed	31-Oct	Grant applications II: Discussion of first drafts
Mon	5-Nov	Professional identity: CV, research statement, 1 min introduction
Wed	7-Nov	Informal FY research discussion
Mon	12-Nov	No meeting
Wed	14-Nov	Grant applications III: Discussion of revised drafts
Mon	19-Nov	Philosophy of Science II: The Bem controversy
Wed	21-Nov	No meeting
Mon	26-Nov	TBD
Wed	28-Nov	Professional presentations: AV, software, guide [book], posters
Mon	3-Dec	FYP presentations I (talk or poster)
Wed	5-Dec	FYP presentations II

## Detailed Schedule

All assignments are noted in **red font** below. All required readings are noted **in blue**, optional ones in grey. All readings are either web links or pdf files available on the Canvas course page.

### Wed 5-Sep—Orientation

#### Reading material

Syllabus

#### Student assignment due

All: Sign up for individual assignment. Enroll in courses.

#### Events

Fri 7-Sep, 4:00 p.m.—DARLOW dissertation defense

*Assignment due next week*

*Introduce advisor or other faculty member*

### Mon 10-Sep—CLPS Now: Programs, Areas, Faculty, Vision, Resources

#### Reading material

Program requirements (emailed)

Department web page

#### Student assignment due

All: Introduce your advisor or a faculty member of choice

#### Events

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### Wed 12-Sep—CLPS History

#### Reading material

[brown.edu/Administration/News\\_Bureau/Databases/Encyclopedia/search.php?serial=P0450](http://brown.edu/Administration/News_Bureau/Databases/Encyclopedia/search.php?serial=P0450)

[brown.edu/Administration/News\\_Bureau/Databases/Encyclopedia/search.php?serial=C0520](http://brown.edu/Administration/News_Bureau/Databases/Encyclopedia/search.php?serial=C0520)

Brown Daily Herald articles posted on Canvas ←

Excerpts from other documents (if available) ←

#### Elective student assignment

\* Request an interview with a faculty member (e.g., Anderson, Lipsitt, Jones, Blough, Heindel, Warren...). Summarize in 1-2 pages.

#### Events

Wed 12-Sep, 4:00 p.m.—DYAN colloquium

Fri 14-Sep, 12 noon—KRUEGER SCS brownbag

Fri 14-Sep, 4:00 p.m.—ZEPHRANI dissertation defense

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## Mon 17-Sep—Brown University History and Resources

### Reading material

Encyclopedia Brunoniana:

[http://brown.edu/Administration/News\\_Bureau/Databases/Encyclopedia/](http://brown.edu/Administration/News_Bureau/Databases/Encyclopedia/)

Excerpts from documents (if available) ←

Explore Library webpage

### Elective student assignment due

\* Brief presentation of topic material (meet with Bertram)

### Events


## Wed 19-Sep—Human subjects and Research Ethics

### Reading material

IRB: <http://www.brown.edu/research/policies-procedures-regulations-guidance>

CITI: [http://www.brown.edu/research/brown-universityciti-education-program-protection-](http://www.brown.edu/research/brown-universityciti-education-program-protection-human-research-participants)

[human-research-participants, http://www.brown.edu/research/citi-education-program-faq](http://www.brown.edu/research/citi-education-program-faq)

Flyer RCR\_FALL\_2012-INTRO 

*Recent fraud cases:*

<http://retractionwatch.wordpress.com/2012/06/25/following-investigation-erasmus-social-psychology-professor-retracts-two-studies-resigns/#comment-15310>

<http://www.wired.com/wiredscience/2012/06/researcher-caught-up-fraud-case-punches-back/>

<http://ignoranceanduncertainty.wordpress.com/2011/09/14/the-stapel-case-and-data-fabrication/>

<https://www.commissielevelt.nl/levelt-committee/publications-examined/>

*Not just social psychologists:*

**Primatologist:**

<http://www.scientificamerican.com/article.cfm?id=fudge-factor>

[http://en.wikipedia.org/wiki/Marc\\_Hauser#Scientific\\_misconduct](http://en.wikipedia.org/wiki/Marc_Hauser#Scientific_misconduct)

Khan, R. (2010). Marc Hauser's consequences. Blog in Discover Magazine. Retrieved from <http://blogs.discovermagazine.com/gnxp/2010/08/marc-hausers-consequences/>

**Anesthesiologist:**

<http://retractionwatch.wordpress.com/2012/07/02/does-anesthesiology-have-a-problem-final-version-of-report-suggests-fujii-will-take-retraction-record-with-172/>

**Journalist:**

[www.slate.com/articles/health\\_and\\_science/science/2012/08/jonah\\_lehrer\\_plagiarism\\_in\\_wired\\_com\\_an\\_investigation\\_into\\_plagiarism\\_quotes\\_and\\_factual\\_inaccuracies\\_.html](http://www.slate.com/articles/health_and_science/science/2012/08/jonah_lehrer_plagiarism_in_wired_com_an_investigation_into_plagiarism_quotes_and_factual_inaccuracies_.html)

**Cognitive Psychologist:**

Sandra C. Lozano retractions for articles in 2006 (JEP:HPP and JEP:G), 2007 and 2008 (both Cognition).

### Student assignment due

All: Complete CITI certification within a week

Recommended: Enroll in RCR (Tuesdays 4-6 p.m.) or BEARCORE (tba)

### Events

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## Mon 24-Sep—History of Linguistics, Psychology, and Cognitive Science I

### Reading material

Münsterberg, H. (1893). The new psychology and Harvard's equipment for teaching it. *Harvard Graduates' Magazine*, 1, 201-209. [PDF](#)

Jastrow, J. (1935). Has psychology failed? *American Scholar*, 4, 261-269. [PDF](#)

Gardner, H. (1987). Excerpt from *The mind's new science: A history of the cognitive revolution*. Basic Books. [PDF](#)

TBD

### Elective student assignment due

\* Brief presentation of topic or article (meet with Bertram)

### Events

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## Wed 26-Sep—History of Linguistics, Psychology, and Cognitive Science II

### Reading material

<http://plato.stanford.edu/entries/linguistics/>

TBD

### Elective student assignment due

\* Brief presentation of topic or article (meet with Bertram)

### Events

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## Mon 1-Oct—Philosophy of Science

### Reading material

- Greenwald, A. G., & Ronis, D. L. (1981). On the conceptual disconfirmation of theories. *Personality and Social Psychology Bulletin*, 7, 131-137. [PDF](#)
- Chan, M. E., & Arvey, R. D. (2012). Meta-analysis and the development of knowledge. *Perspectives on Psychological Science*, 7, 79–92. [PDF](#)
- Birnbaum, M. H. (1984). Philosophical criteria for psychological explanation. *Bulletin of the Psychonomic Society*, 22, 562-565. [←](#)
- Coltheart, M., & Davies, M. (2003). Inference and explanation in cognitive neuropsychology. *Cortex*, 39, 188–191. [PDF](#)
- Mckelvey, M. B., Mohamed Gad-El-Hak, Wayne Grody, Bill, & Trimble, S. W. (2010, June 13). We must stop the avalanche of low-quality research. *The Chronicle of Higher Education*. Retrieved from [http://chronicle.com/article/We-Must-Stop-the-Avalanche-of/65890/?sid=at&utm\\_source=at&utm\\_medium=en](http://chronicle.com/article/We-Must-Stop-the-Avalanche-of/65890/?sid=at&utm_source=at&utm_medium=en)

### Elective student assignment due

- \* Brief presentation of topic or article (meet with Bertram)

### Events

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## Wed 3-Oct—Philosophy of Mind I

### Reading material

- Lowe, E. J. (2000). Chapter 1 from *An introduction to the philosophy of mind* (pp. 1-7). Cambridge, UK: Cambridge University Press. [PDF](#)
- Kim, J. (2010). Introduction to *Philosophy of Mind* (3rd Edition, pp. 1-24). Boulder, CO: Westview Press. [←](#)
- [http://en.wikibooks.org/wiki/Consciousness\\_studies](http://en.wikibooks.org/wiki/Consciousness_studies) (also [PDF](#))
- Feser, E. (2007). Glossary from *Philosophy of mind: A beginner's guide*. Oxford, UK: Oneworld. [PDF](#)

Stanford Encyclopedia of Philosophy:

- <http://plato.stanford.edu/entries/mental-causation/>;  
<http://plato.stanford.edu/entries/computational-mind/>;  
<http://plato.stanford.edu/entries/meaning/>

### Elective student assignment due

- \* Brief presentation of topic or article (meet with Bertram)

### Events

Wed 3-Oct, 4:00 p.m.—LEGARE colloquium

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**Mon 8-Oct—*Fall weekend.***

No meeting

**Events**

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**Wed 10-Oct—Philosophy of Mind II: Extension and Discussion**

**Reading material**

See Oct 3

**Student assignment due**

Prepare informal discussion questions and contributions

**Events**

Wed 10-Oct, 4:00-5:30 p.m.—FYP talks

Thu 11-Oct, 4:00-5:00 p.m.—FYP talks


Fri 12-Oct, 4:00-5:30 p.m.—FYP talks

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## Mon 15-Oct—Professional Writing I: Basics

### Reading material

Excerpts from APA Manual

Excerpts from: Strunk, W., & White, E. B. (1979). *The elements of style* (3rd ed.). New York: Macmillan. 

Excerpts from: Williams, J. M. (1995). *Style: Toward clarity and grace*. Chicago, IL: University of Chicago Press. 

### Elective student assignment due

\* Brief presentation of topic or article (meet with Bertram)

### Events

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## Wed 17-Oct—Professional Writing II: Types of Contributions

### Reading material

University of Washington Psychology Writing Center (2010). *Writing an empirical paper in APA Style*.  Retrieved from

<http://web.psych.washington.edu/writingcenter/writingguides/pdf/APApaper.pdf>

Bem, D. J. (1987). Writing the empirical journal article. In M. P. Zanna & J. M. Darley (Eds.), *The compleat academic: A practical guide for the beginning social scientist* (pp. 171-201). New York: Random House. Can be found at <http://dbem.ws/WritingArticle.pdf>

Bem, D. J. (1995). Writing a review article for Psychological Bulletin. *Psychological Bulletin*, 118, 172–177. 

Webster, J., & Watson, R. T. (2002). Analyzing the past to prepare for the future: Writing a literature review. *MIS Quarterly*, 26, xiii-xxiii.  Retrieved from <http://misq.org/misq/downloads/download/editorial/176/?SID=44akbr5oe2th5uaqgfa2qtsv53>

Sample chapters, faculty books [ask faculty for their best chapter]

### Elective student assignment due

\* Brief presentation of topic or article (meet with Bertram)

### Events

Wed 17-Oct, 4:00 p.m.—CHARNIAK colloquium

Fri 19-Oct, 12 noon—ROGERS SCS brownbag



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**Mon 22-Oct—Grant Applications I: Elements and Samples****Reading material**

NSF GRFP application material

Sample application

**Events***Student assignment due next week**All: Write rough draft for next week (Wed 31-Oct).***Wed 24-Oct—No meeting****Events**

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**Mon 29-Oct—No meeting****Events**

Mon 29-Oct, 4:00 p.m.: FERGUSON SCS brownbag (**note different time!**)

**Wed 31-Oct—Grant Applications II: Discussion of First Drafts****Reading material**

Drafts read in class

**Student assignment due**

All: Bring first draft of grant proposal

**Events**

Thu Nov 1, 4:00 p.m.—AU colloquium (**note different day!**)

***Student assignment due next week***

*All: Draft CV, research statement, 1-minute self-introduction for next week (Mon 5-Nov)*

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**Mon 5-Nov—Professional Identity: CV, Research Statement, Self-Introduction****Reading material**

NSF GRFP application material

Sample application

**Student assignment due**

All: CV, research statement, 1-minute self-introduction

**Events**

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***Student assignment due next week****All: Prepare brief introduction to your first-year research for Wednesday and one open question***Wed 7-Nov—Informal First-Year Research Discussion****Student assignment due**

All: Brief introduction to first-year research, one open question

**Events**

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***Student assignment due next week****All: Revise grant application for discussion next week (Mon 12-Nov)*

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**Mon 12-Nov—No meeting**

**Events**

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**Wed 14-Nov—Grant Applications III: Discussion of Revised Drafts**

**Student assignment due**

All: Revised draft of grant proposal

If applicable: 16-Nov NSF GRFP due

**Events**

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**Mon 19-Nov—Philosophy of Science II: The Bem Controversy****Reading material**

Bem

<http://dailygrail.com/Skepticism/2011/5/Slippery-Skepticism>,  
Krueger commentary

Wagenmakers, E., Wetzels, R., Borsboom, D., & van der Maas, H. L. J. (2011). Why psychologists must change the way they analyze their data: The case of psi: Comment on Bem (2011). *Journal of Personality and Social Psychology*, *100*, 426–432.

**Events**

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**Wed 21-Nov—No meeting (Thanksgiving)**

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**Mon 26-Nov—TBD**

**Wed 28-Nov—Professional Presentations: Talks and Posters**

**Reading material**

Excerpts from Duarte, N. (2008). *Slideology*.   
Some examples from web (TBA)

**Events**

Fri Nov 30, noon—MONROE SCS brownbag

***Student assignment due next week***

*Practice talk or poster of first-year research*

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**Mon 3-Dec—FYP Presentations I (talk or poster)****Student assignment due**

First group: Practice talk or poster of first-year research

**Events**

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**Wed 5-Dec—FYP Presentations II (talk or poster)****Student assignment due**

Second group: Practice talk or poster of first-year research

**Events**

Fri Dec 7, noon—ERB SCS brownbag

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**Mon 10-Dec to Wed 19-Dec—No meetings (Reading and Final exam period)**

## Elective Student Assignments

<b>Student signed up</b>	<b>Assignment</b>
	Due Mon 12-Sep—Request an interview with a faculty member (e.g., Anderson, Lipsitt, Jones, Blough, Heindel, Warren) Summarize in 1-2 pages.
	Due Wed 17-Sep—Brief presentation of selected material on Brown's history
	Due Wed 24-Sep—Brief presentation of selected material on disciplinary history
	Due Wed 26-Sep—Brief presentation of selected material on disciplinary history
	Due Mon 1-Oct—Brief presentation of selected material on Philosophy of Science
	Due Wed 3-Oct—Brief presentation of selected material on Philosophy of Mind
	Due Mon 15-Oct—Brief presentation of selected material on Basics of writing
	Due Wed 17-Oct—Brief presentation of selected material on Types of scientific writing