LING 415 NEUROLINGUISTICS

Spring 2023 (blended)
Updated version, Jan 12

Instructor info
Instructor info

Yue Wang
Instructor
yuew@sfu.ca
Monday & Tuesday, 1:10-2:00pm: E-mail in advance for appointment

Danielle Deng
Teaching assistant
xizid@sfu.ca
E-mail in advance for appointment

Course Info
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Course website
https://canvas.sfu.ca Ling415: course announcements, material downloads, discussion, & assignment submission

Course meeting
Monday, 2:30-3:20pm, RCB 5120

Individual meeting
Office hours and individual groups meetings with instructor will be conducted via Zoom (See schedule)
https://sfu.zoom.us/j/83954093426?pwd=Z32KOEs5aKoxv2zvF1orZbRUD8Qdz09

DESCRIPTION

- In this course, we will explore language as a system of the human brain. Specific topics include neuroanatomy and neurophysiology of language; mapping brain and language; language development and learning, and brain plasticity; language disorders; and language, brain and cognition.

TEXTS

- **REQUIRED** readings are available on Canvas Ling415. See the reading list below.
  - [D] readings for discussion
  - [B] background readings
- **RECOMMENDED** (available on Canvas Ling415 and at SFU library)

PREREQUISITES: 12 credit hours of upper-division linguistics courses, or permission of Instructor

GRADING

<table>
<thead>
<tr>
<th>Participation</th>
<th>Total</th>
<th>Report/paper</th>
<th>Presentation/Discussion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article discussion*</td>
<td>5%</td>
<td>14% (2% per report; individual)</td>
<td>16% (group)</td>
</tr>
<tr>
<td>Project 1</td>
<td>30%</td>
<td>20% (group)</td>
<td>10% (group)</td>
</tr>
<tr>
<td>Project 2</td>
<td>35%</td>
<td>25% (individual)</td>
<td>10% (individual or group)</td>
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*Research participation system (RPS): You receive 14 points by submitting 7 article reading reports. Alternatively, you can submit 5 reports by acquiring 4 RPS credits or submit 6 reports by receiving 2 RPS credits. Please find a list of available sanctioned projects as well as RPS information at: https://www.sfu.ca/linguistics/research/research_participation_system.html

- Final letter grades will be calculated from total percentage scores as follows:
  - A+ 100-96
  - B+ 85-81
  - C+ 70-66
  - D 55-50
  - A 95-91
  - B 80-76
  - C 65-61
  - F 49-0
  - A- 90-86
  - B- 75-71
  - C- 60-56
  - FD Failed for academic dishonesty

ORGANIZATION

- Classes will consist of lectures, discussions, presentations, and hands-on projects.

REQUIREMENTS & POLICIES

- Please review the Linguistics Department’s “Department Standards”: https://www.sfu.ca/linguistics/undergraduate/standards.html
- Plagiarism and Academic Dishonesty are subject to disciplinary action: http://www.sfu.ca/policies/gazette/student/s10-01.html
- Read assigned readings in advance and participate in discussions.
- For a missed class, obtain the lecture notes and/or assignments either from the course website (when available) or from a classmate.
- Submit assignments on time; late submission will NOT be accepted.
- For group assignments, 5% of the marks will be deducted for missing each group meeting without prior permission from group members.
- There are NO make-up presentations. If a student must miss a presentation because of illness, they are required to contact the instructor as well as their group members prior to the presentation date. If a student misses a presentation without an acceptable reason or fails to inform the instructor, they will get zero for that presentation.
- Grade appeals must be in writing.
- Students requiring accommodations as a result of a disability must contact the Center for Studies with Disabilities (csdo@sfu.ca).
[D] Readings for discussion

[B] Background readings

**TENTATIVE SCHEDULE**

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
<th>Recorded lectures</th>
<th>Group meeting with instructor</th>
<th>Readings</th>
<th>Article discussion due</th>
<th>Project due</th>
</tr>
</thead>
</table>
| 1 | 1/9 | - Introduction  
- Neuroanatomy and neurophysiology of language | Lec 2 (1-2) | B1, B2, B3 | [D] for discussion [B] background |
| 2 | 1/16 | - Research methods | Lec 3 (1-3) | D1 group | B4, B5 |
| 3 | 1/23 | - Language processing | Lec 4 (1-2) | D2 group | B6, D1, D2 |
| 4 | 1/30 | - Project 1 instructions | - D3 group | D1 |
| 5 | 2/6 | - Language acquisition and the developing brain | Lec 5 (1-3) | D4 group | B7, D3 |
| 6 | 2/13 | - One brain two languages: L2 & Bilingualism | Lec 6 | D5 group | B8, D4, D5 |
| 7 | 2/20 | - Reading week, no class | | |
| 8 | 2/27 | - Project 1 presentation | | D4 | paper due |
| 9 | 3/6 | - Project 2 instructions | - D6 group | D5 |
| 10 | 3/13 | - Language disorders | Lec 7 (1-3) | D7 group | B9, B10, D6 |
| 11 | 3/20 | - Language, brain, and cognition | Lec 8 | B11, D7 | D6 |
| 12 | 3/27 | - Project 2 Q&A | | | D7 | RPS due |
| 13 | 4/3 | - Project 2 presentation (1) | | | | |
| 14 | 4/10 | - Project 2 presentation (2) | | | | |