**Course:** Language, Cognition and the Brain

**Teacher:** Ethan Weed ([ethan@cc.au.dk](mailto:ethan@cc.au.dk))

**Textbooks:**

* Kemmerer, David. Cognitive Neuroscience of Language (either edition)
* Navarro, Danielle & Weed, Ethan. [Learning Statistics with Python](https://ethanweed.github.io/pythonbook/landingpage.html)

**Exam:** 10-12 page paper on a topic of your choice (but I need to approve your topic!). Group exams are also possible. Full details in the [study regulations](https://eddiprod.au.dk/EDDI/webservices/DokOrdningService.cfc?method=visGodkendtOrdning&dokOrdningId=13877&sprog=da) (Danish only).

**Note:** The schedule below should be mostly correct, but I may still make some small changes.

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| Week | Date | Type | Topic | Preparation |
| 1 | Sep 2 | Lecture | Course Introduction | Maybe do some dynamic stretches? |
|  | Sep 5 | Lab | Stroop task | Perhaps some yoga, or breathing exercises? |
| 2 | Sep 9 | Lecture | Classic Aphasia Syndromes | Kem. Chap 1, pp 3-9  Kem Chap 3 |
|  | Sep 12 | Lab | Journal Club  Group: Ethan | Monzel et al (2025) |
| 3 | Sep 16 | Lecture | Primary Progressive  Aphasia | Kem Chap 1, pp. 10-19  Kem Chap 4 |
|  | Sep 19 | Lab | Statistics 1: Do we really have to? | N&W Part 1 Chapter 1:  Why Do We Learn Statistics? |
| 4 | Sep 23 | Lecture | Speech Perception | Kem Chap 1, pp. 20-27  Kem Chap 5 |
|  | Sep 26 | Lab | Statistics 2: How to ask our questions | N&W Part 1 Chapter 2:  Intro to Research Design |
| 5 | Sep 30 | Lecture | Speech Production | Kem Chap 6, pp. 151- 177 |
|  | Oct 3 | Lab | Statistics 3: How to evaluate our answers | N&W Part 4 Chapter 4:  Hypothesis Testing |
| 6 | Oct 7 | Lecture | Prosody | Kem Chap 7 |
|  | Oct 10 | Lab | Journal Club  **Group: 6** | Nieuwland & Van Berkum (2006) |
|  | Fall break |  |  |  |
|  | Fall break |  |  |  |
| 7 | Oct 21 | Lab | Journal Club  **Group: 2** | Pa & Hickock (2008) |
|  | Oct 24 | Lecture | Experiment + Semantics | Kem Chap 8 |
| 8 | Oct 28 | Lecture | Reading | Kem Chap 15 |
|  | Oct 31 | Lab | Journal Club  **Group: 5** | Liebenthal et al (2005) |
| 9 | Nov 4 | Lecture | Dyslexia | Elliott & Grigorenko (2024) |
|  | Nov 7 | Lab | Journal Club  **Group: 3** | Wong et al (2004) |
| 10 | Nov 11 | Lecture | L1 Acquisition | Clark **Chap ??** |
|  | Nov 14 | Lab | Brains, brains, brains! | Visit to brain museum |
| 11 | Nov 18 | Lecture | Bilingualism | Kem Chap 17 |
|  | Nov 21 | Lab | Journal Club  **Group: 4** | Beilock et al (2008) |
| 12 | Nov 25 | Lecture | AI and LLMs | **TBA** |
|  | Nov 28 | Lab | Journal Club  **Group: 7** | Lambon Ralph et al (2010) |
| 13 | Dec 2 | Lecture | Journal Club  **Group: 1** | Jescheniak and Levelt (1994) |
|  | Dec 5 | Lab | Summary + exam writing advice |  |