

Brain Science

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First year

## **Ba Brain Science Y1 courses**

Faculty of Psychology and Neuroscience

### **Introduction to Brain Science**

BRAIN1001

Period 1

2 Sep 2024

25 Oct 2024

[Print course description](#)

ECTS credits:

3.0

Coordinator:

- [P.H.M. de Weerd](#)

Faculty of Psychology and Neuroscience

### **Genes, Proteins and Evolution**

BRAIN1002

Period 1

2 Sep 2024

25 Oct 2024

[Print course description](#)

ECTS credits:

4.0

Coordinator:

- M. Gerards

Faculty of Psychology and Neuroscience

### **Linear Algebra and Calculus I and II**

BRAIN1003

Period 1

1 Sep 2024

20 Dec 2024

[Print course description](#)

ECTS credits:

6.0

Coordinators:

- [F. de Martino](#)
- [G. Valente](#)

Brain Science

Faculty of Psychology and Neuroscience

## **Pract. Genes, Proteins & Evolution**

### **Full course description**

This practical entails skills trainings wherein students learn basic lab skills. The practical is part of the main course Genes, Proteins and Evolution. The course description and objectives can be found in the description of the main course.

BRAIN1004

Period 1

2 Sep 2024

25 Oct 2024

[Print course description](#)

ECTS credits:

0.5

Coordinator:

- E. Nelissen

Teaching methods:

Assignment(s), Skills

Assessment methods:

Attendance, Assignment

Faculty of Psychology and Neuroscience

## **Introduction to Cognitive Neuroscience**

BRAIN1021

Period 2

28 Oct 2024

20 Dec 2024

[Print course description](#)

ECTS credits:

4.0

Coordinators:

- [J.C. Peters](#)
- S.J.G. ten Oever
- [M.M.L. Moerel](#)

Faculty of Psychology and Neuroscience

## **Cellular Interactions and Metabolism**

BRAIN1022

Period 2

28 Oct 2024

20 Dec 2024

[Print course description](#)

Brain Science

ECTS credits:

4.0

Coordinators:

- [J.W. Renes](#)
- [G.R.L. Kenis](#)

Faculty of Psychology and Neuroscience

## Linear Algebra and Calculus II

BRAIN1023

Period 2

28 Oct 2024

20 Dec 2024

[Print course description](#)

ECTS credits:

3.0

Coordinators:

- [F. de Martino](#)
- [G. Valente](#)

Faculty of Psychology and Neuroscience

## Pract. Cel. Interactions & Metabolism

### Full course description

The practical entails hands-on lab exercises on Proteins & Enzymes, Immunocytochemistry and Nucleic Acids, part of which extend into Period 3. The practical is part of the main course Cellular interactions and metabolism. The course description and objectives can be found in the description of the main course.

BRAIN1024

Period 2

28 Oct 2024

20 Dec 2024

[Print course description](#)

ECTS credits:

0.5

Coordinators:

- [J.W. Renes](#)
- E. Nelissen

Teaching methods:

Skills

Assessment methods:

Attendance, Assignment, Observation

Faculty of Psychology and Neuroscience

Brain Science

## Project Year 1

BRAIN1041

Period 3

6 Jan 2025

31 Jan 2025

[Print course description](#)

ECTS credits:

5.0

Coordinators:

- [L. Hausfeld](#)
- S.J.G. ten Oever
- [M. Mané Damas](#)

Faculty of Psychology and Neuroscience

## Neuroanatomy

BRAIN1042

Period 3

6 Jan 2025

31 Jan 2025

[Print course description](#)

ECTS credits:

2.5

Coordinator:

- [U. von Rango - Hilmes](#)

Faculty of Psychology and Neuroscience

## Principles of Perception

BRAIN1061

Period 4

3 Feb 2025

4 Apr 2025

[Print course description](#)

ECTS credits:

4.0

Coordinators:

- [M.J. Roberts](#)
- [L. Hausfeld](#)

Faculty of Psychology and Neuroscience

## Brain Cells

BRAIN1062

Period 4

Brain Science

3 Feb 2025

4 Apr 2025

[Print course description](#)

ECTS credits:

4.0

Coordinators:

- [J.J. Briedé](#)
- [A.F. Roebroek](#)
- [S. Hildebrand](#)

Faculty of Psychology and Neuroscience

## **Advanced Calculus and Dynamical Systems**

BRAIN1063

Period 4

3 Feb 2025

4 Apr 2025

[Print course description](#)

ECTS credits:

3.0

Coordinators:

- J. Huys
- [O. D'Huys](#)

Faculty of Psychology and Neuroscience

## **The Motor System**

BRAIN1081

Period 5

7 Apr 2025

6 Jun 2025

[Print course description](#)

ECTS credits:

4.0

Coordinators:

- [J. Reithler](#)
- [K. Meijer](#)

Faculty of Psychology and Neuroscience

## **Learning and Memory**

BRAIN1082

Period 5

7 Apr 2025

6 Jun 2025

[Print course description](#)

ECTS credits:

Brain Science

4.0

Coordinator:

- [V.G. van de Ven](#)

Faculty of Psychology and Neuroscience

## Probability Theory

BRAIN1083

Period 5

7 Apr 2025

6 Jun 2025

[Print course description](#)

ECTS credits:

3.0

Coordinators:

- J. Huys
- [A. Wodeyar](#)

Faculty of Psychology and Neuroscience

## Project Year 1 - Part II

BRAIN1101

Period 6

9 Jun 2025

4 Jul 2025

[Print course description](#)

ECTS credits:

3.0

Coordinator:

- [L. Hausfeld](#)

Faculty of Psychology and Neuroscience

## Programming I

BRAIN1005

Period 1

2 Sep 2024

6 Jun 2025

[Print course description](#)

ECTS credits:

5.0

Coordinators:

- [R. Auksztulewicz](#)
- A. Lage Castellanos

Faculty of Psychology and Neuroscience

Brain Science

## Writing and Presenting I

BRAIN1122

Period 1

2 Sep 2024

11 Jul 2025

[Print course description](#)

ECTS credits:

1.5

Coordinator:

- H.C.A. Woodruff

Faculty of Psychology and Neuroscience

## Mentor-guided Portfolio-building

BRAIN1123

Period 1

2 Sep 2024

11 Jul 2025

[Print course description](#)

ECTS credits:

2.0

Coordinator:

- [G.A.M. Blokland](#)