

## Courses at the Faculty of Agriculture (HUJI)

Note: These courses are not approved for the Brain Sciences track.

### Semester 1

1. Introduction to GIS (geographic information system) 71342 (This course is approved only to the Plant, Environment and Ecosystems cluster as it will be given in Hebrew)
2. Physiology & molecular biology of bacteria 73540
3. The plant microbiome 73540
4. The gut microbiome of animals and humans 73518

### Semester 2

1. Remote sensing of soil-plant-atmosphere processes 71631 (This course is approved only to the Plant, Environment and Ecosystems cluster as it will be given in Hebrew)
2. Environmental microbiology 71977
3. Introduction to parasitology 71824 (This course is approved only to the Immunology and Infection cluster as it is an introductory course)
4. Principles of Virology 71510 (This course is approved only to the Immunology and Infection cluster as it is an introductory course)
5. Evolution of metabolism 73526

For registration to HUJI courses please contact Mazi Shtein: [mazis@savion.huji.ac.il](mailto:mazis@savion.huji.ac.il) with a copy of your ID/Passport and your mobile number.

## Coursera courses

Note: Only the courses specified are approved for the Brain Sciences track.

1. Getting started in cryo-EM - Electron microscopy, 1CP  
<https://www.coursera.org/learn/cryo-em>
2. Industrial Biotech, 0.5CP  
<https://www.coursera.org/learn/industrial-biotech>
3. Biochemical Principles of Energy Metabolism, 0.5CP  
<https://www.coursera.org/learn/energy-metabolism>
4. Epidemics - the Dynamics of Infectious Diseases, 1CP  
<https://www.coursera.org/learn/epidemics>
5. Medical Neuroscience, 3CP (approved for the Brain Sciences)  
<https://www.coursera.org/learn/medical-neuroscience>
6. Network Analysis in Systems Biology 1.5CP (approved for the Brain Sciences)  
<https://www.coursera.org/learn/network-biology#syllabus>
7. Exploratory Data Analysis, 3CP (approved for the Brain Sciences)  
<https://www.coursera.org/learn/exploratory-data-analysis>
8. Computational Neuroscience, 1.5CP (approved for the Brain Sciences)  
<https://www.coursera.org/learn/computational-neuroscience>
9. Basics of Extracellular Vesicles, 0.5CP  
<https://www.coursera.org/learn/extracellular-vesicles>
10. Epigenetic Control of Gene Expression, 1CP  
<https://www.coursera.org/learn/epigenetics>

## Courses of the WIS graphics and IT unit

1. Illustrator/photoshop advanced (short) - 0.5 CP
2. Illustrator/photoshop basic (long) - 1.5 CP

For details on these courses please visit <https://www.weizmann.ac.il/WIT/courses>