**CS-599**  
**Master project in Computer Science**  

**Cursus**  
Informatique

<table>
<thead>
<tr>
<th>Language</th>
<th>English</th>
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<tbody>
<tr>
<td>Credits</td>
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<tr>
<td>Withdrawal</td>
<td>Unauthorized</td>
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<tr>
<td>Session</td>
<td>Winter, Summer</td>
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<td>Semester</td>
<td>Spring</td>
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<td>Exam</td>
<td>Oral</td>
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<td>Workload</td>
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<tr>
<td>Weeks</td>
<td>900 weekly</td>
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<tr>
<td>Project</td>
<td>900 weekly</td>
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<td>Number of positions</td>
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**Summary**

The student carries out an academic or industrial research project. He/she has to display the knowledge and capability required for independent work as a Master of Computer Science.

**Content**

The Master thesis is a personal and original work covering theoretical and practical aspects of Computer Science using the knowledge of the student acquired during his/her studies and enable him/her to develop deeper knowledge, understanding, capabilities and attitudes in the field of Computer Science. This project is made under the supervision of a professor of the School of Computer and Communications Sciences.

**Learning Outcomes**

By the end of the course, the student must be able to:

- Formulate and deal with complex issues critically, independently and creatively by applying a holistic view
- Plan and use adequate methods to conduct qualified tasks in given framework
- Manage an individual research project
- Apply the competences to a specific subject
- Present data coherently and effectively
- Develop expertise in a specific area of research
- Assess / Evaluate the results critically
- Compose the project in written form in a scientific report
- Expound the project in oral form for a scientific audience

**Transversal skills**

- Set objectives and design an action plan to reach those objectives.
- Use a work methodology appropriate to the task.
- Communicate effectively, being understood, including across different languages and cultures.
- Assess progress against the plan, and adapt the plan as appropriate.
- Give feedback (critique) in an appropriate fashion.
- Take feedback (critique) and respond in an appropriate manner.
- Collect data.
- Access and evaluate appropriate sources of information.

**Teaching methods**
The student will have to write a report which will be evaluated by a jury. An oral defense will take place after submitting the report.

Resources
Websites
• https://www.epfl.ch/schools/ic/education/master/master-project/