**Master's Degree Programme in Bioinformatics (MBI)**
Department of Computer Science, Department of Mathematics and Statistics, University of Helsinki

**Study module registration form**
MSc degree requirements from 1.8.2012 onwards, Faculty of Science, University of Helsinki. Return completed form to the professor in charge.

| Person ID ("henkilötunnus") | First names | Family name |
|---|---|---|
| | | |

This part is to be filled by the acceptor except for the module ID.
Choose the correct module ID according to the department: Computer Science: 584329, Mathematics and Statistics: 57557. Strike through the other module ID. If you are uncertain about the correct choice, contact your study counselor.

| Module name | | | Advanced studies in Bioinformatics | |
|---|---|---|---|---|
| **Module ID** | **Credits (cr)** | **Grade** | **Date** | **Acceptor** |
| 584329 / 57557 | | | | |

Write course name, credits, grade, date and id as they appear in Oodi transcript.
A minimum of 110 credits in bioinformatics in accordance with an approved personal study plan (FM-HOPS).

| Course ID | Course name | cr | Grade | Date |
|---|---|---|---|---|
| | *Obligatory courses:* | | | |
| 582483 | Biological Sequence Analysis | 4 | | |
| 57734 | Statistical genetics | | | |
| | *One of the following (strike through the other):* | | | |
| 582631 | Introduction to Machine learning | 4 | | |
| | T-61.3050 Machine Learning: Basic principles | 5 | | |
| | *Two of the following (strike through others):* | | | |
| 582670 | Algorithms for bioinformatics | 4 | | |
| | T-61.5120 Computational Genomics | | | |
| 57046 | Markovian modelling and Bayesian learning | 5 | | |
| 57748 | Genetic analysis and molecular evolution | | | |
| | *Studies in laboratory techniques (2-6 cr):* | | | |
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| | *Optional advanced bioinformatics courses (minimum 16 cr):* | | | |
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| | *Seminars (minimum 6 cr):* | | | |
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| 50151/57631 | Master's thesis | 40 | | |
| 58307312 | Master's thesis seminar | 0 | | |
| 50041 | Maturity test | 0 | accepted | |
| | Optional courses minimum of 20 credits of the following subjects, in accordance with an approved personal study plan (FM-HOPS)<br>• Computer science<br>• Mathematics and statistics<br>• Biology, biomedicine or other suitable subject | | | |
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| Signature of the professor in charge | ___ .___ .20__ | |
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