Retreat at Spitzingsee, April 4th - 6th, 2011

The Bioinformatics Program at LMU/TUM
Overview

• Introduction
• General Information
• Structure of the Bachelor Program
• Structure of the Master Program
• Adminstrational Details: How to handle lectures and exams in TUMonline
Overview over the Bioinformatics Program

• Program startet in 2000
• Last Revision: 2007
• Offered jointly by LMU and TUM
• Bachelor: 6 Semester (180 ECTS)
• Master: 4 Semester (120 ECTS)
• Faculties involved: Computer Science LMU and TUM, WZW (Life Sciences TUM), Biology and Biochemistry of LMU
Bachelor Program

**Lectures:**
- Computer Science incl. Databases 24 SWS / 32 ECTS
- Mathematics 23 SWS / 30 ECTS
- Bioinformatics 23 SWS / 33 ECTS
- Biology/Chemistry/Biochemistry 15 SWS / 21 ECTS

**Lab Courses:**
- Bioinformatics + Molecular Biology 14+10 SWS / 30 ECTS

**Seminars:**
- Bioinformatics: 4 SWS / 6 ECTS

**Optional Courses:** 12 ECTS

**Thesis:** 15 ECTS

Total: 180 ECTS
Master Program

**Mandatory:**
- Lab Course: 10 SWS / 12 ECTS

**Optional Courses:**
- Biology: at least 18 ECTS
- Computer Science: at least 18 ECTS
- Bioinformatics: at least 24 ECTS
- non-typed: 18 ECTS

**Thesis:** 30 ECTS

Total: 120 ECTS
Some Numbers

- Beginners so far: appr. 670 (317 Bachelor + 354 Diploma)
- Diploma closed in 2007
- Graduates (started before 2007):
  - 92 Bachelor Students
  - 118 Diploma Students
- Graduation Ratio: slightly above 50 %
- Increased graduation ratio by introduction of selection with interviews in 2002/03
Administrational Details

- Catalog of confirmed modules on the web
- New lectures or modified ones have to be confirmed by the BIPA (Bioinformatics Examination Board)
- To be listed by TUMonline:
  - Module Description: Prerequisites, expected outcome, techniques
  - Two different "objects" for every lecture:
    - lecture object: To inform and communicate with the students about the lecture
    - examination object: To register the students and to enter the grades
Administrational Details

- Module, lecture and examination templates and objects are created by the central faculty service (SB-S) automatically for available lectures, upon requests for (and material about) new lectures.
- Examiners are asked to confirm the room/date/... details upon creation for lecture or examination.
- Students should register for the exams according to the published deadlines.
- Co-Examiners should register and apply for administration permission (necessary for everybody except professors).
- (Co-)Examiners enter the grades, make them public, print out the protocol and send the protocol with a professors signature to the Schriftführer.
- Schriftführer sets exam state to valid, i.e. transmit the grade to the Examination Office of TUM.