

## Checklist to the Guideline for completing your MSc Thesis and finishing your studies in Neural Systems and Computation

Name: .....

Ticked box means that you have fulfilled the requirement or visited the course

### **Additional "Auflagen":**

Additional requirements are fulfilled / I had no additional requirements

### **Core Modules, Elective Core Modules, Elective Modules:**

#### **Core Modules**

- Basics of instrumentation, measurement, and analysis (4 ECTS)
- Readings in Neuroinformatics (3 ECTS)
- Journal Club (2 ECTS)
- Colloquium (0 ECTS)

#### **Elective Core Modules**

##### **Systems Neuroscience**

- Introduction to Neuroinformatics (6 ECTS)
- Neural Systems (6 ECTS)
- Systems Neuroscience (6 ECTS)
- Computational Vision (6 ECTS)

##### **Neural Computation and Theoretical Neurosciences**

- Introduction to Neuroinformatics (6 ECTS)
- Neural Systems (6 ECTS)
- Translational Neuromodeling (8 ECTS; previously 6 ECTS)
- Models of Computation (6 ECTS)
- Deep learning in artificial and biological neuronal networks (4 ECTS)

##### **Neurotechnologies and Neuromorphic Engineering**

- Introduction to Neuroinformatics (6 ECTS)
- Neuromorphic Engineering I (6 ECTS)
- Neuromorphic Engineering II (6 ECTS)
- Neuromorphic Intelligence (6 ECTS)
- Bioelectronics and Biosensors (6 ECTS)

requirements for elective core modules met (min. 18 ECTS, 9 ECTS from 2 catalogs)

#### **Elective Modules**

list of elective modules is approved by NSC coordinator or only pre-approved elective modules (from NSC website) were chosen)

### **Short Project I (only if you have chosen a short Master thesis):**

- signed registration form is handed in to the NSC administration
- PDF and data uploaded and approved by the supervisor

### **Short Project II (only if you have chosen a short Master thesis):**

- signed registration form is handed in to the NSC administration
- PDF and data uploaded and approved by the supervisor

### **MSc Thesis (short or long):**

- signed registration form is handed in to the NSC administration
- final version handed to supervisor(s) ideally 1 month before oral exam
- PDF and data uploaded and approved by the supervisor

### **External MSc Thesis or Short Project (optional):**

- external project pre-approved by NSC director
- signed registration form is handed in to the NSC administration
- final version handed to supervisor(s) ideally one month before oral exam
- evaluation letter of external supervisor received
- PDF and data approved by the supervisor

### **Oral Exam**

- time slot for oral exam is reserved; talk title is name of thesis
- supervisors (at least one professor) and co-examiners are informed
- NSC administration is informed

### **Important Dates:**

End of 3rd semester	Have all core and elective core modules booked. Check if requirements for elective core modules are fulfilled. Get list of elective modules approved by NSC coordinator.
At least 3 months before oral exam	Arrange date for exam with supervisor(s). Reserve time slot for lab meeting presentation.
At least 1 week before oral exam	Have all projects completed and approved.
After oral exam	Request the degree at UZH.