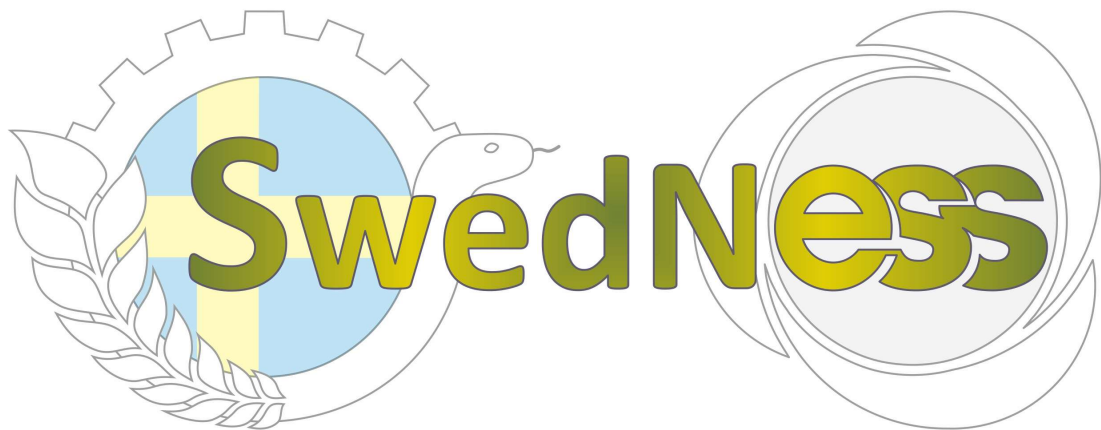
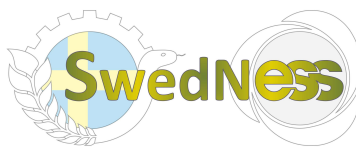


# *Documentation*



# *Extended Stay*

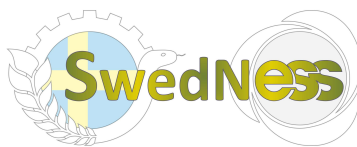


## SwedNess Extended Stay **Rules & Administration**

All SwedNess students should conduct an extended stay that should be 2-6 months and it can award 5-15 ECTS (approximately 2.5 ECTS/month).

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- **Length of total stay: 2 – 6 months (2.5 credits /month) = 5 – 15 credits in total**
  - **To be awarded credits, the student must fulfill the stated learning outcomes**  
*(see next page for details)*
  - **The stay can be split into max 2 sections:**
    - The stay can be at max two different host institutions (explanation needed)
    - Each stay should be minimum 2 months long
  - **The stay should be conducted at one or max two of the following:**
    - Neutron Source/Facility – ESS included
    - Established international neutron scattering group
    - National or International company within a neutron related activity
  - **Recommended (but not mandatory) timeline (3-4<sup>th</sup> year) in order to create a "win-win situation" for the student as well as the host institution.**
  - **The students and supervisors need to have a clear plan for the visit before it begins. This plan is detailed in the "Study Plan for the Extended Stay", SPExS**  
*(see last page for details)*
  - **The SPExS should be presented to & approved by the DoS group well before the visit begins. The DoS group also appoints the examiner for the extended stay.**
  - **The students are recommended to submit weekly (short/bullet list) report to their supervisor in Sweden during their extended stay.**
  - **An extended report should be written at the end of the stay in order to obtain the credits.**
    - Only one report should be written, even if the extended stay is split into several parts and/or at (max) 2 different hosts/locations.
    - Level of the report should represent "one or several chapters of a thesis"
    - The report will be assessed by the examiner (see above).
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## SwedNess Extended Stay *Learning Outcomes*

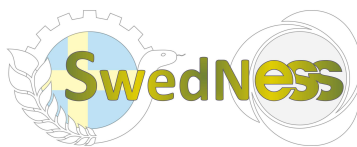
**At the end of their extended stay the SwedNess students should have acquired:**

(minimum 1 item from the list per 1 month of extended stay i.e. per 2.5 credit)

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- **Deeper skills in using one or several already known neutron technique[s]** (e.g. learning how to align, calibrate and setting up an instrument for external user groups at the facility i.e. acting as the local contact)
  - **Skills in using a completely new neutron technique** (could also be a specialized version of previous technique e.g. time-resolved SANS or polarized diffraction)
  - **Improved/deeper skills in using at least one data analysis software.** This should be either a completely new software and/or a new advanced feature of an already known software (e.g. improved FullProf operation by adding Fourier analysis to the skillset).
  - **New skills in using sample environments** (e.g. participate in experiment using a sample environment that was never used prior to the extended stay)
  - **New skills in synthesizing samples** (e.g. crystallization, deuteration etc.)
  - **New skills and knowledge in technical development related to neutron scattering** (e.g. development of a new sample environment, beamline, instrumentation, software, etc.)
- 

***Please also note:*** The student can utilize each of the above learning outcomes more than once. For example, if the student acquires skills in **two** new neutron techniques, **two** learning outcomes are fulfilled. Finally, if you have a suggestion for a learning outcome that you do not think fits into the list above, please consult your local Director of Studies and/or the SwedNess Director of Studies.



## SwedNess Extended Stay

# Study Plan for the Extended Stay – SPExS

The SPExS is an agreement between the student, the supervisor and the host for the extended stay. The purpose is to clarify their commitments and should specify the work and educational activities to be carried out, a time schedule, and a budget. The study plan should be approved by the three involved parties mentioned above, and also by the SwedNess DoS group. Within the SPExS the following information should be detailed:

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### Background Information

- Student: Name + contact details
- Supervisors: Name + contact details
- Research project: Title
- Progress within the PhD project at the time of the extended stay (explained in text by a few short paragraphs, i.e. not just a percentage)

### Destination

- Host organization
- Responsible person = host supervisor
- Dates for the stay
- Relevance of the destination or host for neutron work (describe facility or research group)
- Motivation for the visit, related to individual research plan
- Specify visa requirements, work permits, or other documents needed for the visit + status

### Work Plan

- Summary of the planned work, which should include:
  - Intended learning outcomes (refer to the above list of approved learning outcomes)
  - Intended research outcomes
- Roles of the supervisor(s) and the host during the stay
- Beamtime during the stay – granted, applied for, or in-house agreement with host
- Planned participation (during visit) in conferences, seminars, courses, workshops, etc.
- Visits by the Swedish (SwedNess) supervisor during the stay

### Funding *(should be covered by PhD SwedNess budget that is already allocated to the project)*

- Budget for travel & subsistence
- Budget for consumables and other running costs
- Specify how costs shall be split between the main supervisor and the host

### Tentative Additional (second) Extended Stay?

- YES/NO?  
If YES, specify:
    - Tentative host organization
    - Tentative responsible person
    - Approximate dates for the stay
    - Brief tentative description of planned work
  - Note: A second full SPExS<sup>2</sup> will later have to be submitted for the second extended stay!
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Final draft of SPExS should be sent to your local Director of Studies for approval, preferably well before the planned extended stay! In this process the DoS group will also appoint the examiner for the extended stay.