Project work arrangement and schedule

This document describes arrangement and schedule (milestones and deadlines) for the project work that should be performed by all students working in teams as a partial fulfillment of the requirements in course SH2702 in Nuclear Reactor Technology.

The project work will be done in teams of 2 students. The work will address one of the five reactor designs (NuSCALE, ABWR, ESBWR, EPR, AP1000). Up to 4 teams will work on the same reactor design.

For the calculations in Task 4, 5, 6 of the project each team will use total core heat output of the reactor multiplied by the coefficient presented in the table below.

	Team	Coefficient for the total core heat output of the reactor to be used in calculations for Task 4, 5, 6
1	Team 11 (NuSCALE)	0.95
2	Team 12 (NuSCALE)	1.0
3	Team 13 (NuSCALE)	1.05
4	Team 21 (ABWR)	0.95
5	Team 22 (ABWR)	1.0
6	Team 23 (ABWR)	1.05
7	Team 31 (ESBWR)	0.95
8	Team 32 (ESBWR)	1.0
9	Team 33 (ESBWR)	1.05
10	Team 41 (EPR)	0.95
11	Team 42 (EPR)	1.0
12	Team 43 (EPR)	1.05
13	Team 44 (EPR)	1.075
14	Team 51 (AP1000)	0.95
15	Team 52 (AP1000)	1.0
16	Team 53 (AP1000)	1.05

For instance, if core heat output of an EPR is 4500MWth, then

Team 41 should use 0.95*4500 = 4275 MWth
Team 42 should use 1.00*4500 = 4500 MWth
Team 43 should use 1.05*4500 = 4725 MWth
Team 43 should use 1.075*4500 = 4837.5 MWth

Tasks 1, 2 and 3 will be presented at the first seminar **Mon 2023-02-13**, Time: 15:00 - 17:00 Room: FB54.

Each team should prepare presentation for all Tasks.

However, for each design, each team will present only one Task at the first Seminar. Which team will present which task will be determined randomly at the seminar. For instance, for NuScale

Task 1 can be presented by Team 12
Task 2 can be presented by Team 11
Task 3 can be presented by Team 13

For the **Tasks 4, 5, 6** each team will present summary of own results.
Following table presents the schedule of the presentations for the teams and respective tasks.

Team	Seminar 2 Thu Feb-22 Time: 13:00-15:00 Room: FB54	Seminar 3 Thu Feb-23 Time: 10:00-12:00 Room: FB54	Seminar 4 Mon 2023-02-27 Time: 15:00 - 17:00 Room: FB54	Seminar 5 Wed 2023-03-01 Time: 13:00 - 15:00 Room: FB54	Seminar 6 Thu 2023-03-02 Time: 10:00 - 12:00 Room: FB55
Team 11 (NuSCALE)	Task 4		Task 5		Task 6
Team 12 (NuSCALE)	Task 4		Task 5		Task 6
Team 13 (NuSCALE)	Task 4		Task 5		Task 6
Team 21 (ABWR)	Task 4		Task 5		Task 6
Team 22 (ABWR)	Task 4		Task 5		Task 6
Team 23 (ABWR)	Task 4		Task 5		Task 6
Team 31 (ESBWR)	Task 4		Task 5		Task 6
Team 32 (ESBWR)	Task 4		Task 5		Task 6
Team 33 (ESBWR)		Task 4		Task 5	Task 6
Team 41 (EPR)		Task 4		Task 5	Task 6
Team 42 (EPR)		Task 4		Task 5	Task 6
Team 43 (EPR)		Task 4		Task 5	Task 6
Team 44 (EPR)		Task 4		Task 5	Task 6
Team 51 (AP1000)		Task 4		Task 5	Task 6
Team 52 (AP1000)		Task 4		Task 5	Task 6
Team 53 (AP1000)		Task 4		Task 5	Task 6

Note that: Seminars will start **on specified time** (i.e. 10:00 means 10:00, **NOT 10:15**!) and will be carried out **without** a 15 minutes break. This means that for:
- Seminars 1 and 6 each team will have **5 minutes for the presentation** plus 2 minutes for questions.
- Seminars 2, 3, 4, 5 each team will have **10 minutes for the presentation** plus 5 minutes for questions.

Deadlines

March 6th at 23:59 is the deadline for the draft project report. The draft report to be uploaded in Canvas.

On **March 7th** each student will be assigned to peer review one draft report. The peer review of the report shall include:

- Comments on the project report.
- Suggestions for improvement of the report.
- Filled peer-review form.

Note that the quality of the peer review will be assessed and graded. The peer review should include specific suggestions for improvement of the report.

March 13th at 23:59 is the deadline to submit the peer review.

On **March 14th** Each team will receive 2 (anonymous) peer reviews on the draft report.

March 21st at 23:59 is the deadline for submission of the final project report. The report should include an appendix with response to the comments and suggestions in the peer reviews.

Points

Maximum number of points for each element of the Project work is as follows:

Presentations: 20 points (5 point per presentation)

Report: 40 points

Peer review: 10 points

Total: 70 Points