Schedule for NAISS MPI course

16, 17, 23, 24 September 2025

	Day 1
9:00	Welcome, general intro
9:10	**Lecture**: concept of parallel and MPI - Joachim
9:30	**Lecture**: Running MPI - Joachim
9:45	**Exercise:** Running code
10:15	*Break*
10:30	**Lecture**: Initialisation, Communicators - Viktor
11:15	**Exercise**: Hello world
12:20	Questions and Wrap-up
12:30	*Close*

	Day 2
9:00	Recap day1
9:10	**Lecture**: Point-to-point - Pedro
9:50	**Exercise**: Parallel code, collecting partial results: Pi as a sum
10:15	*Break*
10:30	**Lecture**: Non-blocking and deadlock - Joachim
11:10	**Exercise**: Message around a ring
12:20	Questions and Wrap-up
12:30	*Close*

	Day 3
9:00	Recap day 2
9:10	**Lecture**: Collectives - Pedro
9:45	**Exercise**: 2-D integration (start from serial, do the MPI) **Extra Exercise:** Exercise Pi for day 2, using collectives
10:30	*Break*
10:45	**Lecture**: Splitting Communicators - Viktor
11:15	**Exercise**: Collectives in sub-groups
12:20	Questions and Wrap-up
12:30	*Close*

	Day 4
9:00	Recap day 3
9:10	**Lecture**: Transferring NumPy objects in Python - Viktor
9:45	**Demo**: Transferring NumPy objects in Python
10:15	*Break*
10:30	**Lecture**: MPI performance - Pedro
11:15	**Exercise**: Performance (in slides)
12:15	Questions and Wrap-up
12:30	*Close*