

Week 11 exercises

What's on today?

Beginning of
the lab

High performance
computing support

Finalise your questions about RCP

10:15 – 11:00

Practice 11

AE for anomaly detection
VAE for image generation

Announcement on Submission instructions for Submission 2

11:15 – 12:00

Submission 2: DDPM
Mini-Project support

Forward diffusion
Model training
Reverse diffusion

Progress with the mini-project

Submission 2: instructions

Submission 2: WGAN and DDPM.

Deadline on 20th May, 23:59. Submission instructions are available on Moodle
(see [Checklist for Submission 2](#)).

[EE-559](#) / [Submissions](#) / Submission 2



Submission 2

Due: Tuesday, 20 May 2025, 23:59

The file to upload should be a zip archive named **S2_SCIPER.zip**
One submission per student.

[Checklist for Submission 2](#)

Submission 2: instructions

S2_SCIPER/

- WGAN/
 - Submission2_GANs.ipynb
 - trainer.py
 - report_images/
 - fixed_z_for_check_ep0.jpg fixed_z_for_check_ep0.jpg
 - ...
 - fixed_z_for_check_ep7.jpg fixed_z_for_check_ep8.jpg
 - losses_ep0.jpg
 - ...
 - losses_ep7.jpg
 - model_weights/
 - generator.pt
 - discriminator.pt
- DDPM/
 - S2_SCIPER.pdf
 - Submission2_DDPM.ipynb
 - diffusion_model_report_images/
 - diffusion_model_loss_ep0.jpg
 - ...
 - diffusion_model_loss_ep9.jpg
 - fixed_x_T_for_check_ep0.jpg
 - ...
 - fixed_x_T_for_check_ep9.jpg
 - diffusion_model_weights/
 - diffusion_model.pt

Submission 2

- notebooks and trainer.py
- models' weights
- losses
- generated images
- answers to written questions