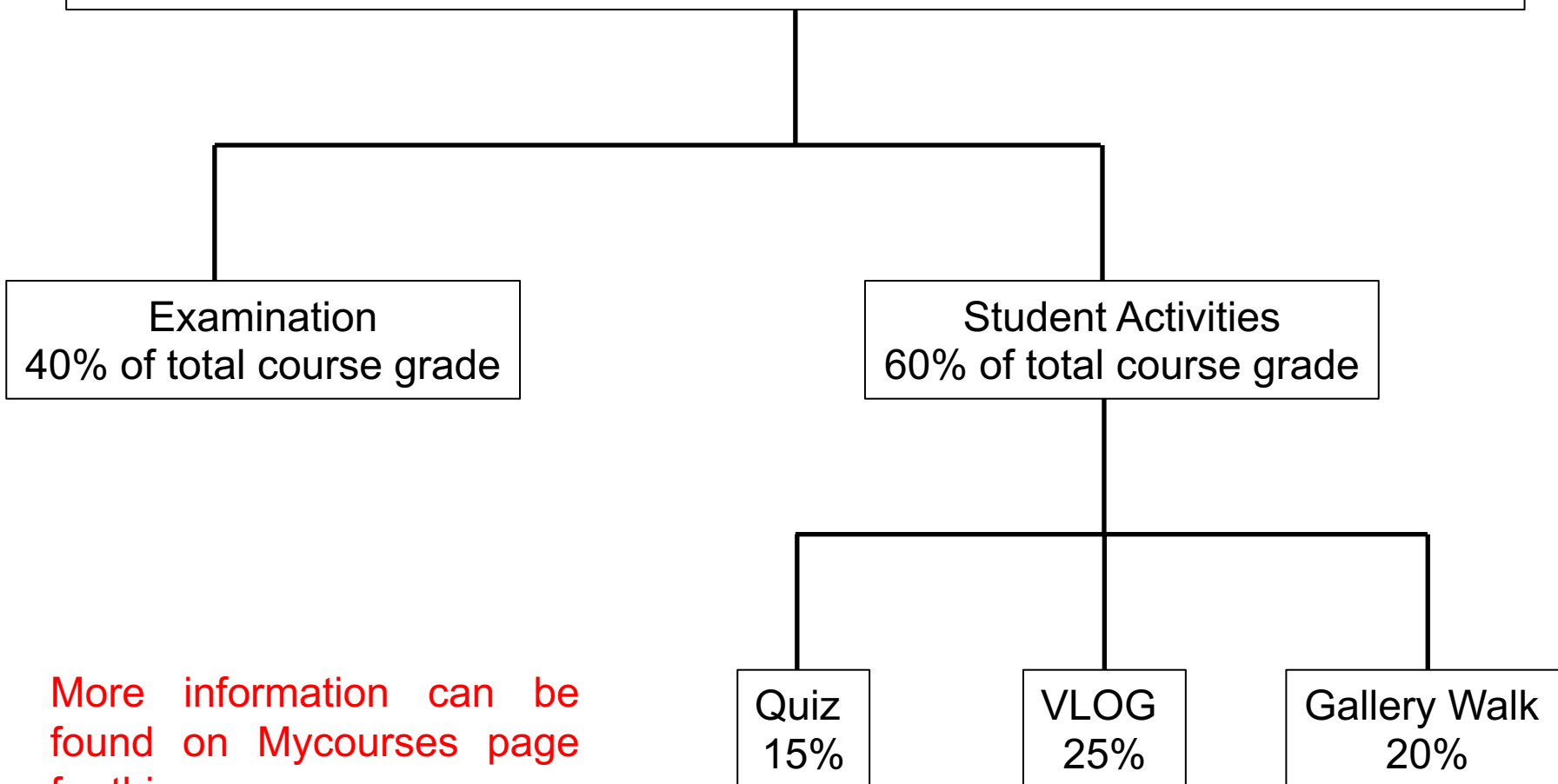


COURSE FRAMEWORK

Version 9.1.2023

E5125 Thin Film Technology 2023, 5cr.



More information can be found on Mycourses page for this course.

Lectures

- Lecture slides will be uploaded in advance.
- Students are expected to read lecture slides and refer to other reading material (See Mycourses) prior to the lecture.
- There will be a short and easy quiz before lecture to test your understanding.
- It is expected that students have the electronic version of the lecture slides and clarify any doubts and queries during the lecture. **Please be interactive.**
- Lecture will focus on important aspects for that topic.
- Course is divided into 2 main parts:
 - Theoretical aspect of thin films with lectures and quizzes
 - Practical aspect with discussion of application fields and gallery walk.

Video Log (VLOG)

- All students are expected to prepare a 10 minute VLOG.
- The VLOG is based on both theoretical and practical aspect of the course.
- The VLOG topic is: [Select your thin film method](#)
 - [Be prepared to tell your topic on lecture Fri 13.1. or latest by Tu 17.1.](#)
- in Mycourses find detailed instructions for making the VLOG.
 - The VLOG is to be used as an educational 10 min lecture for master student of Thin Films
 - Deadline [11.2.2023](#)
 - See rules in Mycourses

Walking Gallery

- Here students will work in a group.
- Each group will have an application related article to study.
- There will be common fixed questions for which answers will have to be found.
- It is expected that the students widen the scope and study similar articles by themselves in order to answer the questions.
- On the day of walking gallery the group will get together and have 30 minutes to make their poster or “presentation slides”.
- At the end of this period the students re-shuffle and study each others “posters” or “presentations” and ask relevant questions.
- **More information on Mycourses**

Timetable 2023

Date	Time	Place	Lecture Schedule
10/01/2023	12.00 – 14.00	D311	Introduction / Jari Koskinen
13/01/2023	12.00 – 14.00	D311	Q1, Vacuum technology/ Jari Koskinen
17/01/2023	12.00 – 14.00	D311	Q2, PVD 1 / Jari Koskinen
20/01/2023	12.00 – 14.00	D311	Q3, PVD 2 / Jari Koskinen
24/01/2023	12.00 – 14.00	D311	Q4, Characterisation / Jari Koskinen
27/01/2023	12.00 – 14.00	D311	Q5, CVD and ALD / Sami Franssila
31/01/2023	12.00 – 14.00	D311	Q6, Reactors and production methods/ Sami Franssila
3/02/2023	12.00 – 14.00	D311	Application 1 discussion / Jari Koskinen
7/02/2023	12.00 – 14.00	D311	Application 1 Students Walking Gallery
10/02/2023	12.00 – 14.00	D311	Application 2 discussion / Jari Koskinen
14/02/2023	12.00 – 14.00	D311	Application 2 Students Walking Gallery
17/02/2023	12.00 – 14.00	D311	5 best VLOG presentations
24/02/2023	9.00 – 13.00	KE2	Exam