## CHEM-E2150 Interfacial Phenomena in Biobased Systems, 2023

This course will be held on campus. Please contact the teacher (juanjose.valledelgado@aalto.fi) if that is a problem for you.

Teachers in charge - Juan José Valle-Delgado, room 321 (Puu I), juanjose.valledelgado@aalto.fi (most of the lectures, calculus exercises, lab work, exam, course organization)<br>- Prof. Monika Österberg, room 323 (Puu I), monika.osterberg@aalto.fi (some lectures, exam, course organization)

## Quizzes and home

assignments
Some quizzes and home assignments will be available in MyCourses. They are optional tasks. Quizzes and home assignments should be submitted to MyCourses before the corresponding deadline (usually few days after the corresponding lecture). Altogether, quizzes and home assignments will add up to $25 \%$ of the final grade.

Calculus exercises Three calculus and problem solving exercises will be offered during the course. Calculus exercises and attendance to exercise classes are optional. The answers can be submitted to MyCourses before or after the corresponding class. Double number of points will be given to the right answers submitted before the classes. The calculus exercises will contribute $10 \%$ to the final grade.

## Laboratory work

Study material The book "Barnes \& Gentle, Interfacial Science (Oxford University Press)", and other material given in the course. Other recommended books: "Kronberg, Holmberg \& Lindman, Surface Chemistry of Surfactants and Polymers (Whiley)"; "Hunter, Foundations of Colloid Science (Oxford University Press)".

Exam The exam will contribute $50 \%$ to the final grade. The exam must be passed in order to pass the course.

Course assessment Grading scale: 0-5
Exam (50\%) + quizzes and home assignments (25\%) + laboratory works ( $15 \%$ ) + calculus exercises ( $10 \%$ ).

The points from different tasks and activities (exam, quizzes, home assignments, laboratory work, calculus exercises) will be weighed and added in a scale 0-100. The number of points will be converted to grades according to the following scale: Grade 1 ( $24-39.9$ points); Grade 2 (40-54.9 points); Grade 3 ( $55-69.9$ points); Grade 4 (70-84.9 points); Grade 5 (85-100 points).

