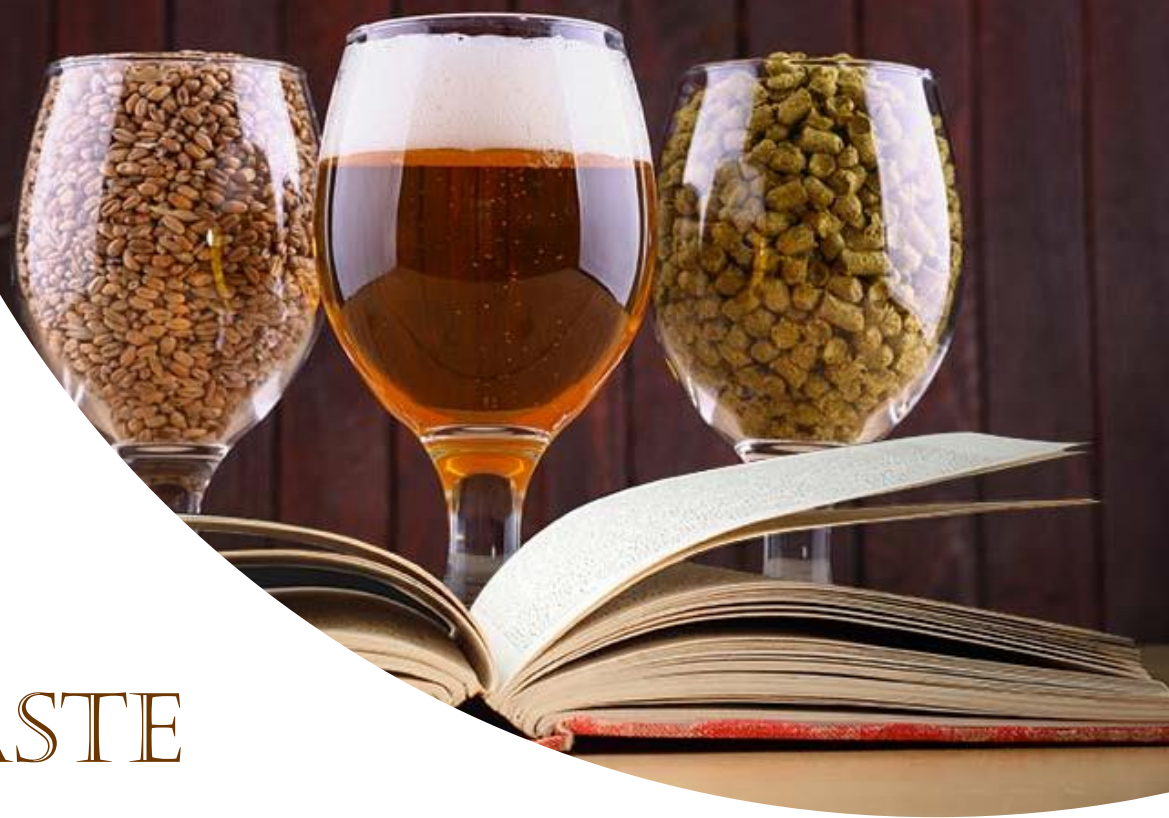


May 4 - 5, 2022

Instituto Superior de Engenharia do Porto
room G203

MALTING & BREWING IN THEORY AND TASTE



SCOPE

Malting is the preparation of a **brewing** raw material. It involves the sprouting (germination) of grain, mostly barley. The malt is then dried to produce a shelf-stable product. **Beer** is made of a few basic ingredients: water, malt, hops and yeast; but the beer production involves a lot of different steps, making it a long and intensive. **Sensory analysis** plays an important role in brewery operations. Decisions concerning product development, quality assurance, quality control, product improvement, and process troubleshooting depend on the availability of reliable information arising from well-planned and executed taste tests.

During this **workshop**, the main objective of malting, namely the modification of the grain structure and composition, will be linked to the process steps steeping, germination and kilning. The brewing process is explained **step-by-step**, starting with the gently grinding of the malt and ending with the point where the beer is ready to be **served and enjoyed**. Various tasting techniques will be discussed. The influence of the various raw materials and the brewing process is also linked to the sensory properties of the beer.

PROGRAM

Wednesday - May 4, 2022 (2 - 6 pm)

Opening session | **Cristina Delerue-Matos** (REQUIMTE/LAQV-ISEP, Portugal)

Malting and brewing (lecture) | **Annick Boeykens** (Odisee University, Belgium)

Thursday - May 5, 2022 (2 - 6 pm)

Sensorial analysis of beer (training) | **Jannes Van Houcke & Hannes Withouck** (Odisee University, Belgium)

Closing session | **Elsa Vieira & Manuela Moreira** (REQUIMTE/LAQV-ISEP, Portugal)

PUBLIC

Bachelor & Master students with basic knowledge of biochemistry.

REGISTRATION

<https://forms.gle/MyMuyi5aUdbcQXiTA>

Deadline: April 29 (limited to 20 people)

Organization

Cristina Delerue-Matos | Elsa Vieira
Hendrikus Nouws | Manuela Moreira



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Funding

