



## **Disciplina: IQ474-Tópicos em Engenharia Química III**

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**Responsável:** Gustavo Paim Valença ([gpv1856@unicamp.br](mailto:gpv1856@unicamp.br))

**Período:** 1 semestre de 2022

**Estrutura:** Aulas teóricas apresentadas na forma de palestras sobre temas atuais e apresentadas por professores e especialistas no assunto abordado.

**Avaliação:** A avaliação será baseada no trabalho final realizado em grupo (de até quatro estudantes) com um plano de negócios sobre o tema que será apresentado no primeiro dia de aula

**Programa:**

O curso será todo ministrado em inglês.

The course will start with an introduction to successful business cases in the industry. Student groups will develop a compact business plan, including a techno-economic design for a selected case for integrated biochemical-biofuels-bioenergy production. Lectures to support the further understanding of advances in science and technology; the use of feedstock and sustainability, process integration and design; and economy and business finance will be provided by experts from Unicamp, TU Delft, University of Limerick, and partners. Students will make a business plan that will be presented to a panel jury. Student groups will be supported by staff from Unicamp and TU Delft. Several intermediate sessions are planned to monitor progress and provide feedback to students.

**Referências:**

Students will be provided with a digital reader "Biobased business beyond bioethanol", produced by UNICAMP, TU Delft, and the University of Limerick.