

# BIEN 420. BIODEVICES DESIGN FOR DIAGNOSTICS AND SCREENING.

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Credits: 3

Offered by: Bioengineering (Faculty of Engineering)

This course is not offered this catalogue year.

## Description

Design of analytical devices for high throughput screening (HTS) for genomics, proteomics and other “omics” applications; and for diagnostics for medical, veterinary, or environmental applications. Assessment of the specific requirements of each 'client' applications, followed by a review of specific regulations and guidelines. Theoretical and practical guidelines regarding the design of a specific micro- or nano-device, and comparison with the established state of the art in the chosen application.

- Corequisite: BIEN 340
- (3-2-4)
- Prerequisite: BIEN 390

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