

## 66155 - Immunotherapy treatments approved in different cancer types. Clinical cases

### Syllabus Information

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**Academic year:** 2023/24

**Subject:** 66155 - Immunotherapy treatments approved in different cancer types. Clinical cases

**Faculty / School:** 104 - Facultad de Medicina

**Degree:** 637 - Masters degree in Tumor Immunology and Cancer Immunotherapy

**ECTS:** 12.0

**Year:** 1

**Semester:** Second semester

**Subject type:** Compulsory

**Module:**

### 1. General information

This is a compulsory subject of the master with a load of 12 ECTS. The general objective is to describe the characteristics of the different tumours (epidemiology, aetiology, risk factors, prevention, histopathological classification, diagnosis, extension study and prognosis), as well as to address the therapeutic strategy in its various modalities.

The subject deals with immunotherapy, reviewing the history of each tumour from the past to the present day. It analyses what the incorporation of immunotherapy into the multidisciplinary treatment of cancer has meant as well as its impact on survival and identification of long-term responders.

These approaches and objectives are aligned with the Sustainable Development Goals of the United Nations 2030 Agenda (<https://www.un.org/sustainabledevelopment/es/>), expecting that the acquisition of learning will contribute to the achievement of Goal 3: Health and well-being; Goal 4: Quality Education.

### 2. Learning results

The student must demonstrate:

To know the biological and molecular bases of cancer and the general principles of immuno-oncology.

To know the results and indications of the different immunological treatment modalities in different tumours.

To understand the biological effect of immunotherapy on the growth and evolution of different tumours and its impact on other therapeutic options.

To recognize and deal with immunorelated side effects.

To know how to assess the response to immunotherapy.

To understand the current value of biomarkers as predictors of response and toxicity in each tumour and the importance of research in this field.

To be familiar with the drug approval and financing procedures and recognize the approved and financed indications of the different types of immunotherapy in various clinical situations.

### 3. Syllabus

The detailed program of the subject can be found on the web page of the Faculty of Medicine.

The topics of this subject include an exhaustive review of the treatment of different tumours, with special emphasis on the current role of immunotherapy. It also analyses both the near future and the potential lines of research.

In addition to the most prevalent solid tumours in adults, the program includes a section on oncohematology and another on oncopediatrics.

### 4. Academic activities

Overall, this compulsory subject equals to 12 ECTS equivalent to 120 classroom hours and 180 non-classroom hours, which is the student's work dedicated to the study and preparation of practical cases.

Classroom teaching is structured in 50-minute lectures (5.1 ECTS), solving of clinical cases and problems (5.1 ECTS), tutorials

and attendance to courses and symposiums on the subject (1.6 ECTs).

The theoretical contents of the subject, necessary to develop the competencies, will be presented in lectures. They are planned to be participatory and will be supported by Power Point presentations.

## **5. Assessment system**

The student must demonstrate achievement of the intended learning results through the following assessment activities:

- Attendance to master classes is mandatory, requiring a minimum attendance of 80%. It will have a weighting of 25% of the final grade.

- 60% of the grade will be obtained through a continuous assessment, taking into account:

  - Active participation during master classes,

  - Active participation during problem solving and presentation of clinical cases,

  - Preparation of structured reports on the cases and problems developed.

  - Response to questionnaires related to the activities conducted.

- The remaining 15% of the grade will be obtained by attending seminars and symposiums related to the subject.