

# Teaching guide

## IDENTIFICATION DETAILS

|         |               |
|---------|---------------|
| Degree: | Biotechnology |
|---------|---------------|

|                     |         |
|---------------------|---------|
| Field of Knowledge: | Science |
|---------------------|---------|

|                 |                      |
|-----------------|----------------------|
| Faculty/School: | Experimental Science |
|-----------------|----------------------|

|         |   |
|---------|---|
| Course: | PROCESS VALIDATION AND QUALITY MANAGEMENT |
|---------|---|

|       |          |
|-------|----------|
| Type: | Optional |
|-------|----------|

|               |   |
|---------------|---|
| ECTS credits: | 3 |
|---------------|---|

|       |   |
|-------|---|
| Year: | 4 |
|-------|---|

|       |      |
|-------|------|
| Code: | 2060 |
|-------|------|

|                  |                  |
|------------------|------------------|
| Teaching period: | Seventh semester |
|------------------|------------------|

|       |         |
|-------|---------|
| Area: | Company |
|-------|---------|

|         |  |
|---------|--|
| Module: | Social, Historic and Economic Aspects of Biotechnology |
|---------|--|

|                |                 |
|----------------|-----------------|
| Teaching type: | Classroom-based |
|----------------|-----------------|

|           |         |
|-----------|---------|
| Language: | Spanish |
|-----------|---------|

|                                      |    |
|--------------------------------------|----|
| Total number of student study hours: | 75 |
|--------------------------------------|----|

## SUBJECT DESCRIPTION

|  |
|--|
|  |
|--|

## SKILLS

### Basic Skills

|  |
|--|
| Students must have demonstrated knowledge and understanding in an area of study that is founded on general secondary education. Moreover, the area of study is typically at a level that includes certain aspects implying |
|--|

knowledge at the forefront of its field of study, albeit supported by advanced textbooks

Students must be able to apply their knowledge to their work or vocation in a professional manner and possess skills that can typically be demonstrated by coming up with and sustaining arguments and solving problems within their field of study

Students must have the ability to gather and interpret relevant data (usually within their field of study) in order to make judgments that include reflections on pertinent social, scientific or ethical issues

Students must be able to convey information, ideas, problems and solutions to both an expert and non-expert audience

Students must have developed the learning skills needed to undertake further study with a high degree of independence

### **General Skills**

To acquire firm theoretical, practical, technological and humanistic training needed to develop professional activity.

To understand the social, economic and environmental implications of professional activity.

To understand the ethical implications of professional and personal activity.

Capacity for teamwork and group management.

To have acquired the ability for analytical, synthetic, reflective, critical, theoretical and practical thought.

Capacity for problem-solving and decision-making.

To be able to plan time effectively.

To develop capacity for and a commitment to learning and personal development.

To develop an ability to search for, take in, analyse, sum up and relate information.

To develop oral and written communication skills.

### **Specific skills**

To identify the unique characteristics of the biotechnology company in areas such as finance, HR, costs, quality and communication.

To apply current legislation and regulations governing biotechnological processes and products.

To be able to apply the techniques and procedures used in quality management and to understand the significance of validation, certification and approval of biotechnological products and processes.

To adopt attitudes of leadership and social responsibility on both a personal and professional level.

To be able to approach a subject by means of rigorous, profound and comprehensive thought.

Capacity for written and oral communication of the knowledge acquired.

To be able to apply the theoretical knowledge acquired for solving problems and practical cases linked to the various subjects.

To be able to work in a team in an efficient and coordinated manner.

To be able to assess the knowledge acquired.

To develop criteria for problem-solving and decision-making both professionally and personally.

### **DISTRIBUTION OF WORK TIME**

| CLASSROOM-BASED ACTIVITY | INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY |
|--------------------------|---|
| 35 hours                 | 40 hours                                    |