

**Module description**

**-Module title:** Bioinformatics– practical part.

**-Module code:** BCH 436

**-Mark distribution:**

Total mark is 30:

- 5 marks for practical work
- 10 marks for mid-term exam.
- 15 marks for final exam.

**-Module labs:**

1. Sequence analysis and database display.
2. Introduction to internet resources.
3. Introduction to BLAST suite and BLASTN.
3. Designing PCR primers.
4. Electronic PCR.
5. Practicing ENSMBLE.
7. Protein BLAST (BLASTP).
8. ExPASy (translate tool).

**-Book Reference:**

Michael Agostino (2013) Practical Bioinformatics (first edition), Garland Science, Taylor & Francis Group, New York & London.