



## CYTOPATHOLOGY

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| Enrollment year     | 2019/2020   |
| Academic year       | 2020/2021   |
| Regulations         | DM270   |
| Academic discipline | BIO/06 (COMPARATIVE ANATOMY AND CYTOLOGY)   |
| Department          | DEPARTMENT OF BIOLOGY AND BIOTECHNOLOGY "LAZZARO SPALLANZANI"   |
| Course              | EXPERIMENTAL AND APPLIED BIOLOGY  |
| Curriculum          | Bioanalisi  |
| Year of study       | 2°  |
| Period              | 1st semester (05/10/2020 - 14/01/2021)  |
| ECTS                | 6   |
| Lesson hours        | 48 lesson hours   |
| Language            | Italian   |
| Activity type       | ORAL TEST   |
| Teacher             | PERUCCA PAOLA (titolare) - 3 ECTS<br>CAZZALINI ORNELLA - 3 ECTS   |
| Prerequisites       | Basic concepts of cytology and histology  |
| Learning outcomes   | The main goal of the course is learning of basic concepts of cytopathology.   |
| Course contents     | <p>The Cytopathology is a branch of Biology which has for object the study of cellular alterations for diagnostic purposes. It uses many techniques of traditional , cytochemical, immunocytochemical, immunofluorescence staining, in situ hybridization and molecular tests.</p> <p>The program of the course provides:</p> <ol style="list-style-type: none"><li>1-methods of fixation, staining and inclusion of different biological samples;</li><li>2-the observation with light microscope the preparations;</li><li>3-the learning of basic concepts in diagnostic cellular and tissue level .</li></ol> |

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|  | The course will be completed with notions of exfoliative cytology which is the study of exfoliated cells spontaneously or mechanically removed.  |
| <b>Teaching methods</b>                            | Frontal lectures and lab experiences.  |
| <b>Reccomended or required readings</b>            | <p>1- Biologia- Cellula e Tessuti, Colombo-Olmo (edi-ermes)</p> <p>2- Citopatologia diagnostica Trattato italiano di medicina di Laboratorio, Paolo Boccato (Piccin).</p> <p>The slides of the lectures will be available in Kiro site.</p>  |
| <b>Assessment methods</b>                          | Assessment of student knowledge learning is conducted through a written test consisting of extensive questions aimed to verify the understanding of concepts, and of multiple-choise questions aimed to verify the knowledge of the subject. |
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| <b>Sustainable development goals - Agenda 2030</b> | <a href="#">\$lbl legenda sviluppo sostenibile</a>   |