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| CODE ANIMBIO3 | COURSE TITLE: ANIMAL CYTOGENETICS | | | ECTS: 4 |
| COORDINATOR: PROF. MAREK ŚWITOŃSKI | | DEPARTMENT: GENETICS AND ANIMAL BREEDING | | |
| COURSE CATEGORY | | | | |
| VOLUME: (H) 45 | | | PERSONAL WORK (H) | |
| LECTURE: (H) 15 | PRACTICALS /LAB: (H) 30 | PLACEMENT:(H) | PROJECT: (H) | OTHER MODALITIES: (H) |
| EVALUATION: | | OTHER MODALITIES: | | LECTURER(S) |
| EVALUATION MODALITIES | | | | |
| ORAL INDIVIDUAL REPORT | | | | |
| WRITTEN INDIVIDUAL REPORT | | | | |
| FINAL ORAL EXAM | | | | |
| FINAL WRITTEN EXAM | X | | | |
| COMMENTS OF EVALUATION: | | TEACHING METHODS: LECTURES AND PRACTICALS | | |
| SEMESTER: SUMMER | | LANGUAGE: ENGLISH | | |
| PERIOD: 15 WEEKS | | YEAR OF STUDY: THIRD | | |
| OBJECTIVES | | | | |
| <ul style="list-style-type: none"> ▪ STRUCTURE OF METAPHASE CHROMOSOME AND ARCHITECTURE OF INTERPHASE NUCLEUS ▪ TECHNIQUES USED IN IDENTIFICATION OF CHROMOSOME ABERRATIONS AND POLYMORPHISMS ▪ THE USE OF CYTOGENETIC TECHNIQUES IN GENOME MAPPING | | | | |
| CONTENTS | | | | |
| <ul style="list-style-type: none"> ▪ MAJOR CYTOGENETIC TECHNIQUES: LYMPHOCYTE CULTURE, CHROMOSOME BANDING, FLUORESCENT IN SITU HYBRIDISATION, SYNAPTONEMAL COMPLEXES ▪ CHROMOSOME NOMENCLATURE USED TO DESCRIBE CHROMOSOME ABERRATIONS ▪ CYTOGENETIC GENOME MAP ▪ CYTOGENETIC STUDIES OF TUMORS ▪ CHROMOSOME INSTABILITY | | | | |
| GROUP SIZE: 10 -15 | | PRE-REQUIRES: PRINCIPLES OF ANIMAL GENETICS | | |