

Faculty of International Economics and Administration
Department: Informatics
Professional area: Informatics and Computer Studies
Major: WEB Design
Educational – and - qualification Degree: Master

COURSE DESCRIPTION

1. Course unit title: **Introduction to Action Script Programming**
2. Course unit code: INF 3030
3. Type of course unit: compulsory
4. Level of course unit: Master
5. Year of study: first
6. Semester: first
7. Number of ECTS credits allocated: 6
8. Name of lecturer: Chief Asst. Galina Momcheva PhD
9. Learning outcomes of the course unit - obtained knowledge, skills, competences (objectives): The course aims to provide students with knowledge of the main concepts in object-oriented programming. During the process of training students will be able to apply and use the acquired knowledge in practice for the purposes of computer graphics, animation, sound and video processing and the development of interactive web design. Depending on their level of training obtained from the Bachelor's programmes, learners will be able, in pairs, to design a project of their own.
10. Mode of delivery: face-to-face
11. Prerequisites and co-requisites: The students have studied 2D computer aided design and HTML. The students who have done the Bachelor's programme in Informatics have studied programming languages.
12. Course contents (annotation): The course provides students with knowledge and skills in the field of programming, related to variables, data types, operations, control structures, array data structures and strings, functions, OOP design, applying filters, event processing, video and audio processing.
13. Recommended or required reading
 - Richardson Darren, etc Foundation ActionScript 3.0 for Flash and Flex, Friends of Ed, 2009
 - Rosenzweig Gary, ActionScript 3.0 Game Programming University, Second Edition, Que Publishing, 2011
 - Sahlin Doug, Flash™ MX ActionScript™ For Designers, Wiley Publishing, Inc., 2002
14. Planned learning activities and teaching methods:
 - Lectures (*3 hours a week, 10 weeks*)
 - Scheduled contact hours (conventional or individual contact hours) (*2 hours a week, 10 weeks*)
 - Group seminars and workshops (*2 hours a week, 3 weeks*)
 - Project assignments and research (*2 hours a week, 10 weeks*)
15. Assessment methods and criteria: tests, project defense, rubrics
16. Language of instruction: Bulgarian, English, Russian
17. Work placement: none