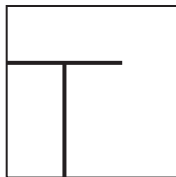


CONTEMPORARY ARCHITECTURAL TECHNOLOGY



POSTGRADUATE MASTER DEGREE PROGRAM ARCHITECTURE FACULTY/UACEG/SOFIA

THE MASTER PROGRAM CONTEMPORARY ARCHITECTURAL TECHNOLOGY AIMS TO PREPARE **SPECIALISTS** (MASTERS IN ARCHITECTURE) IN THE CURRENT ISSUES OF CONTEMPORARY ARCHITECTURAL TECHNOLOGY. THE TRAINING PROVIDES ADEQUATE **KNOWLEDGES AND SKILLS** RELATED TO CONTEMPORARY ARCHITECTURE-CONSTRUCTIVE SOLUTIONS, IMPLEMENTED IN THE LAST GENERATIONS **HIGH-TECHNOLOGY** BUILDINGS AND FACILITIES. IN THE EDUCATIONAL PROCESS IS BASED ON THE THEORETICAL AND PRACTICAL APPROACH FOR STIMULATING THE USE OF KNOWLEDGE IN PROJECT DEVELOPMENT, AND LATER IN REAL **PRACTICE**. THE PROGRAM INCLUDES A GROUP OF SUBJECTS, WHICH HAVE AN UPGRADING CHARACTER. THEY ARE RELATED TO PRESENTATION AND ANALYSIS OF **CONTEMPORARY** SOLUTIONS THAT CHANGE ARCHITECTURAL MIND TO CREATE ARCHITECTURE THROUGH HIGH-TECH CONSTRUCTIONS AND **DETAILS**. THE COURSE FOLLOWS SPECIFIC **TENDENCES** IN DEVELOPING SOME **UNIQUE** COATING AND FACADE STRUCTURES AND THEIR SPECIFIC ACOUSTIC, LIGHTING AND ENERGY EFFICIENT PROBLEMS. THE BUILDING IS CONSIDERED AS A **COMPLEX** STRUCTURE WITH A SPECIFIC TECHNOLOGY TO SOLVE SOME BUILDING-CONSTRUCTION PROBLEMS. THE TRAINING IN **CONTEMPORARY ARCHITECTURAL TECHNOLOGIES** **ENCOURAGE** STUDENTS TO **ANALYZE** CORRECTLY ALL THE COMPLEX BUILDING-CONSTRUCTION PROBLEMS IN ONE MODERN **HIGH-TECH** BUILDING THROUGH ANALYSIS OF THE RELATIONS BETWEEN: FUNCTION, HIGH-TECH CONSTRUCTION, ARCHITECTURAL FORM, BUILDING ENVELOPE, HIGH-TECH COATINGS. THE MASTER IN **CONTEMPORARY ARCHITECTURAL TECHNOLOGY** WILL BE PREPARED IN THE FOLLOWING AREAS: BE FAMILIAR WITH **CONTEMPORARY SYSTEMS AND MATERIALS** FOR BUILDING FACADES STRUCTURES FOR STOREY AND HALL BUILDINGS WITH THEIR SPECIFIC CONSTRUCTIVE, OPERATIONAL AND FUNCTIONAL PROBLEMS; BE FAMILIAR WITH CONTEMPORARY COATINGS FOR LONG SPAN BUILDINGS AND HOW TO RESOLVE THEIR PROBLEMS; TO ANALYZE THE ARCHITECTURAL SPACE IN ORDER TO **CREATE** A FAVORABLE ACOUSTIC, LIGHTING AND **ENERGY EFFICIENT** ENVIRONMENT; ABILITY TO **DESIGN** PROJECTS SUCCESSFULLY AND TO APPLY KNOWLEDGE FROM THEORETICAL SUBJECTS; ABILITY TO **RETHINK AND SELF-REFLECT** ON THEIR OWN DESIGN APPROACH, USING GAINED KNOWLEDGE FROM THE TRAINING; TO FORM A **CRITICAL ASSESSMENT** TO THE CURRENT ARCHITECTURAL ENVIRONMENT. THE PROGRAM DEVELOPS CREATIVE AND CRITICAL THINKING OF STUDENTS AND THEIR ABILITY TO ANALYZE THE EXISTING ARCHITECTURAL ENVIRONMENT. DISCIPLINES IN THE PROGRAM ARE BASED ON THE **LATEST TECHNOLOGICAL DEVELOPMENTS** AND REALIZATIONS OF **LEADING WORLD COMPANIES**. THE LECTURERS ARE PROMINENT **SPECIALIST - ENGINEERS AND ARCHITECTS**, REPRESENTATIVES OR DIRECT PARTICIPANTS IN THESE STUDIES.

START: FEBRUARY 2014 / END: JUNE 2015

ARCHITECTURAL ACOUSTICS: **IVAYLO HRISTEV, MARIANA TSVETKOVA** / PROBLEMS OF BUILDING ENVELOPE: **GICHKA KUTOVA** / LIGHT MEMBRANE STRUCTURES: **SLAVEJKO SLAVEJKOV, MARIANA TSVETKOVA** / STOREY BUILDING - CONCEPT DESIGN: **GICHKA KUTOVA** / COMPUTER TECHNOLOGY I: **BOYAN GEORGIEV** / ARCHITECTURAL LIGHTING: **ZAMFIR HADZHIJSKI, GICHKA KUTOVA** / CONTEMPORARY ASPECTS OF ARCHITECTURAL TECHNOLOGY: **MARIANA TSVETKOVA** / ARCHITECTURAL- STRUCTURAL ANALYSIS OF BUILDINGS: **MARIANA TSVETKOVA** / HALL BUILDING (MEDIUM AND LARGE SPAN BUILDINGS) - CONCEPT DESIGN: **MARIANA TSVETKOVA** / ARCHITECTURAL DETAIL (STOREY BUILDING) - TECHNICAL DESIGN: **GICHKA KUTOVA** / COMPUTER TECHNOLOGY II: **BOYAN GEORGIEV**

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Европейски съюз

ПРОЕКТЪТ СЕ ОСЪЩЕСТВЯВА
С ФИНАНСОВА ПОДДРЪЖКА НА
ОПЕРАТИВНА ПРОГРАМА
"РАЗВИТИЕ НА ЧОВЕШКИТЕ РЕСУРСИ",
СЪФИНАНСИРАН ОТ
ЕВРОПЕЙСКИЯ СОЦИАЛЕН ФОНД
НА ЕВРОПЕЙСКИЯ СЪЮЗ.

ЕВРОПЕЙСКИ СОЦИАЛЕН ФОНД
2007 - 2013
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ОБРАЗОВАНИЕТО, МЛАДЕЖТА И НАУКАТА
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