

| | Subject | type | hour/ week | hour/ sem. | ETCS |
|---|--|-------------|-----------------------|-----------------------|-------------|
| | Architectural Design - Energy efficient architecture | P | 4 | 60 | 8 |
| <p>Description: Course type: project Assessment: 1. Project of energy efficient building: plot plan, plans of the building, elevations, sections, perspective, model. 2. Control review. Aims and objectives: Learning by designing Teaching methods: Introducing general methods and rules of energy efficient architecture Course content: Project of energy efficient building. Learning outcomes: Traditional solutions, idea of energy efficient architecture, climate conditions, interior comfort, environmental relations, temperature zoning, energy gains and losses, balance of the building. Energy efficient technologies: transparent insulations, solar collectors, photovoltaic panels, wind turbines, heat pumps, recuperators, modern lighting systems, double-skin facade, energy accumulators, controlling devices, BMS (Building Management System) Basic economy of energy efficient technologies</p> | | | | | |