

course description



این فایل به منظور کمک به متقاضیان تحصیل در کشور ایتالیا توسط گروه فلی تو ایتالی به صورت رایگان تهیه شده است لطفاً از خرید این فایل خودداری فرمایید.

اسفاده از این فایل در صفحات مجازی و وبسایت ها با ذکر نام تهیه کننده بلامانع است.

کانال تلگرام
فلی تو ایتالی



کانال یوتیوب
فلی تو ایتالی



پیج اینستاگرام
فلی تو ایتالی



سایت
فلی تو ایتالی



معرفی فلای تو ایتالی

سلام!

تیم فلای تو ایتالی متشکل از چند دانشجو که فعالیت خودمون را از ماه بهمن سال 1401 آغاز کردیم و هدف تیم ما این است که به شما کمک کنیم تا بتوانید به صورت مستقل و بدون نیاز به مشاوران مهاجرتی برای دانشگاه های ایتالیا اپلای کنید و پذیرش بگیرید . با توجه به اینکه بسیاری از موسسه های مهاجرتی هزینه های بالایی را برای اخذ پذیرش از دانشگاه های ایتالیا از دانشجو دریافت میکنند ، ما تصمیم گرفتیم با تلاش و تجربه خود به دانشجو ها کمک کنیم که بدون هزینه اضافه کار های مهاجرتی خودشان را انجام بدهند .

در این راستا در طی سال های گذشته ویدئو های مختلفی را برای نحوه اپلای کردن دانشگاه های ایتالیا ضبط و منتشر کردیم تا به دانشجویان کمکی کرده باشیم تا بتوانند در این مسیر با کمترین هزینه از دانشگاه های ایتالیا پذیرش بگیرند .

پس اگر سوال یا نیاز به راهنمایی در زمینه مهاجرت تحصیلی به کشور ایتالیا داشتید ، با ما همراه باشید و سوالات خودتون را از ما بپرسید . ما در کنار شما خواهیم بود و شما را همراهی خواهیم کرد .

مدیریت fly to italy



طریق استفاده از فایل

برای استفاده از این فایل ، صفحات بعد را کپی گرفته و به
دانشگاه مبدا ببرید و تاییدات لازم را بگیرید



Islamic Azad University (IAU)

SUMMARY OF COURSE DESCRIPTIONS BACHELOR OF TECHNOLOGY ENGINEERING

Abbreviations: P=Pre-Requisite B=Basic, G=General, M=Major, C=Compulsory, S=Specialized, E=Elective SS=Summer Session, OG=Optional General

	Course Title	Credit	Hour				Description	Type* of Course
			Total	Theory	Practical	Design Workshop		
01	Architectual Sketches	2	119	51	68		Sketching and Presentation	R
02	Environmental Communication and Adjustment 2	2	34	34	-		This course provides student for increasing the knowledge of architecture projects by analyzing “interior’s values” architecture and interior design. Analyzing the most important architectures around the world, identifying some characters of the indoor spaces and also analyzing the relationship in between the environment.	M
03	Perspective-Remedial	2	51	51	-	-	An introduction to survey and imagine spaces in a perspective	M
04	General Math.2	3	51	51	-	-	Principle of Mathematical Induction, General Mathematics Cap lex numbers; EUEGHONS. Odd, Even B and Periodic functions, Hyperbola functions and their graphs	B
05	Architecture Design 2	4	170	17	153	-	An introduction to the concept of commercial and defining it’s spaces and the relation between them modernism	S

	Course Title	Credit	Hour				Description	Type* of Course
			Total	Theory	Practical	Design		
06	Building Elements & Details 2	2	68	17	51		laboratory sessions directed toward the nature, potentials, and limitations of a variety of Structure Elements & - materials (wood, metal, plastics, inorganic on Materials 2 cementing materials, minerals, rocks and clay) and the processes involved with their production, fabrication and the system compatibility	E
07	Urban Area Analysis	2	51	17	34	-	This course intends to focus on land Analysis of Urban planning and designing in the large scales E Spaces by theory and different practices on land planning	E
08	Methods of Industrial design & manufacture	2	34	34	-	-	This course presents a compelling argument for moving architecture from a part-by-part, linear approach to an integrated one that brings together technology, materials, and: production methods. Using examples from ets a several industries that have successfully M made the change to an integrated component approach, these visionary authors lay the groundwork for a dramatic and much needed change in the building industry	M
09	Introduction to The Islamic Architecture 2	2	34	34	-	-	An Introduction to concepts of Islamic Introduction Architecture and understanding of spatial Architecture profile of this architecture. The principles on governing the design of buildings in Islamic architecture	M
10	History of Culture & Islamic Civilization	2	34	34	-	-	Religious Course	G

11	Architecture Design 5	4	170	17	153	-	“Exhibition of vintage cars The combination of human and nature and the use of sustainable architecture	M
12	Islamic Revolution of Iran	2	34	34	-	-		G
13	Final Design Project	6	306	-	306	-	Final Architectural Plan with elective subject	S
	Course Title	Credit	Hour				Description	Type* of Course
			Total	Theory	Practical	Design Workshop		
14	Concrete Structure	2	34	34	-		Design of reinforced concrete Structures structure	M
15	ESP	2	34	34	-		Architecture and urban development are in foreign Specialized language, teaching specialty language aims at higher English level of knowledge of students in a way that they are Language enabled to read and comprehend subjects from foreign publications and books	S
16	Mechanical & Electrical Installation	2	51	17	34		Description of principles and practices for manipulating and enhancing sound in buildings. Information about sound behavior and the organization of architectural elements Mechanical & (deployment of design features, including various Electrical geometries and materials) for the control of sound in Installation enclosed spaces and between adjacent spaces. Fundamentals of light-frame construction from soils examination, foundation systems to framing systems, and the integration of plumbing, and heating/cooling into the structure	M

17	Architecture Design 4	4	170	17	153		This course is focusing on the functional, structural and 7] Architectural 4 1701171 153 facility system in architecture. It is suggested to through some complicated functions in architecture such as Hospital, Hotels,school	B
18	Human, Nature and Architecture	2	48	16	32	-	Introduction to the theoretical aspects of Architecture.	B
19	Islamic thought 2	2	34	34	-	-	Religion courses	G
20	Statement of Imam Khomeini	2	32	32	-	-		G

	Course Title	Credit	Hour				Description	Type* of Course
			Total	Theory	Practical	Design Workshop		
21	Architecture Design 3	4	170	17	153	-		M
22	Management & Workshop's Organization	2	51	17	34		Construction management as a project delivery system emphasizing the roles and responsibilities of construction managers, contractors, subcontractors, owners and design professionals, and how they relate to each other. Fundamentals of project administration from preconstruction planning to project close-out through the study and review of case studies. Includes an overview of cost estimating, meetings, project safety and scheduling	M

23	Recognition & Design of Rural Architecture	2	68	17	51	96	An introduction to villages and figuring out the opportunities and threats and also discussing suggestions in order to design their environments; this course includes Surveying some buildings in_ villages, analyzing the conditions and trying to improve the opportunities and solving the treats	M
24	Introduction to The Reconstruction of the Historical Buildings	3	85	34	-	-	This workshop is including theory and practice, and it is based on developing reflections on the process of the architectural project through a general hypothesis. Observation and surveying one of the architectural masterpieces in Iran is a part of the course.	S
25	Theoretical Fundamentals of Architecture	2	34	34		-	Problematical nature of philosophies of architecture; interaction of philosophical concepts and architectural form and expression. Fundamentals of architectural criticism	M
26	Physical Education 2	1	34	-	1	-	Special Sport (taekwondo)	G
27	Human, Nature, Architecture	2	34	34			Introduction to the theoretical aspects of Architecture	M
28	Steel Structures	2	34	34			Static and force analysis; the study of external forces and force systems and their analytical solutions as applied to bodies at rest (equilibrium). Topic areas include beams, trusses, determinate frames and load tracing	M
29	Application of Drawing Software	3	119	17	103		Intensive introduction to computer-aided design systems for developing construction documentation (working drawing). Lectures and exercises focus on learning the methodology for using CAD to efficiently prepare working drawings, as well as discussions regarding industry recognized standards and current technology	B

30	Introduction to Contemporary Architecture	2	34	34			This course is an overview of the innovations which occurred at the end of the 18 th century. This course also interprets contemporary architectural works and highlighting themultiplicity of views.	M
31	Thematic Interpretation of Quran	1	34	34			Religion courses	G
32	History of Art-Remedial	2	51	51			Architectural and Artwork of Architects in the Past	M
33	Introduction of riding & recitation of Quran	1	34	34			Religion courses	G
34	Co-Op (training)	2		240				S

Remarks:

In University Educational System during each academic semester for each Theoretical Credit 16 hours, Practical 32 hours and Workshop Operations 48 hours of educational is office

SUMMARY OF COURSE DESCRIPTIONS

ASSOCIATE'S DEGREE OF URBAN DEVELOPMENT

Abbreviations: P=Pre-Requisite, B=Basic, G=General, M=Major, C=Compulsory, S=Specialized, E=Elective, SS=Summer Session, OG=Optional General

NO.	Course Title	Credit	Hour			Description	Type of Course
			Total	Theory	Practical		
1	Fundamentals of Urban Traffic	2	48	16	32	The aim is familiarity with concepts and principles of urban traffic, traffic networks and their effects, and moving of people in the city environment. The required syllabus includes the subjects such as familiarity with different roads, networking systems, describing urban ,transportation networks, access roads ,parking lots, terminals, etc	S
2	Urban Facilities	3	48	16	32	The aim is familiarity with supplying of facilities, equipment and urban services, including: definition and concepts of urban facilities, different types of urban facilities(water supply, electricity, gas supply, communication lines, etc.), water supply and state of distributing water,Familiarity with disposing urban garbage, familiarity with terminals, airports, railway stations	S
3	Urban Rights	3	32	32	-	The aim is familiarity with urban laws and regulations	S
4	Urban and Regional Planning	3	32	32	-	The aim is familiarity with definitions and concepts of urban and regional planning, and preparing and approving urban development plans, including definitions and concepts of urban and regional planning and differences, history and methods of planning	S

NO	Course Title	Credit	Hour			Description	Type of Course
			Total	Theory	Practical		
5	Urban and Regional Design Workshop	2	96	-	96	The aim is familiarity with urban and regional designing methods and their applications in regional analysis, including familiarity and participation in data collection and familiarity with different urban scales. Familiarity with analysis models of urban and regional designs. Familiarity with prominent urban and regional projects	S
6	Greenspace Designing	2	48	16	32	The aim is familiarity with methods and standard of designing green areas with regards to location, climate, traditions, customs, including standards for the relation of population and green areas, different styles in ,designing green areas .etc	S
7	Technical Language	2	32	32	-	The aim is promoting the capability of students to the extent of proper comprehension based on urban affairs in related books and texts, and reading executing drawing	S
8	Urban Planning Workshop	2	96	-	96	The aim is familiarity with analysis and evaluating urban designs with the following syllabus: Familiarity with analyzing prepared urban designs, evaluating facilities of urban development, estimating quantitative deficiencies, preparation of urban development, preparation of the drawings for land uses, determining proposed vicinities, proposals and generals and acquaintance with urban construction consultant engineers	S
9	Management of Unexpected Events	2	48	16	32	The aim is familiarity with natural disasters and managing reduction of hazardous events such as earthquake, flood and fire	S

NO	Course Title	Credit	Hour			Description	Type of Course
			Total	Theory	Practical		
10	Fundamentals of Architecture	2	32	32	-	The aim is familiarity with concepts and principles of architecture and the effects in urban planning, including concepts, definitions, nature and designing, environmental area, familiarity with the history of architecture in the world, familiarity with history of the architecture in Iran and new problems in building	M
11	Technical Drawing and cartography	2	48	16	32	The aim is familiarizing the students with technical drawings and principles of building drawings and reading executing drawings, including familiarity with drawing equipment, sizes of drawing papers, representing methods of an object, principles of measurements, .cutting, etc	M
12	Using the Computer in Urban Development	2	48	16	32	The aim is familiarity with principles of computer programming and the applications in urban affairs, including familiarity with used software packages in urban planning, software packages in urban designs and .databases, etc	M
13	History and Development of Urbanization	2	32	32	-	The aim is familiarity with concepts of urbanism and evolution of cities, including the beginning of urbanism, reasons of originating cities, urbanism in the Middle East and Iran, and in the West, .etc	M
14	Urban Geography	2	32	32	-	The aim is familiarity with definitions and concepts urban geography, position and relation of urban geography with urban construction, application of geography in .urban construction, etc	M
15	The Environment	2	32	32	-	The aim is familiarity with concepts and principles of environment, ecosystems, and their mutual effects, including definitions and concepts of environment, natural ecosystems, preserving basis of natural ecosystems, effects of urban development .on environment, etc	M

NO	Course Title	Credit	Hour			Description	Type of Course
			Total	Theory	Practical		
16	Urban and Regional Design	3	32	32	-	The aim is familiarity with concepts and definitions and different designs of urban development, and also preparing, approving and executing urban development projects, including comprehensive urban development plans, spatial design, etc. Defining the urban vicinities and limits, and familiarity with different types of aggregations and urban regulations	M
17	General Economics	2	32	32	-	The aim is familiarity with economic concepts and principles, including -micro .economy, macro-economy, etc	M
18	Surveying and Operation	3	80	32	48	The aim is familiarizing the students with different methods of drawing rather simple drawing via direct lands and implementing building drawings and controlling executing operations by surveying equipment	M
19	Demographics	3	32	32	-	The aim is familiarity with concepts and principles and applications of demographics for urban development, including concepts, definitions, nature and gender structure, mortality, fertility, immigration and its effects, social .movements, etc	M
20	Environmental Health	2	32	32	-	The aim is defining personal, social, and psychological hygiene, and familiarity with health quotes during occurrence of accidents such as earthquake, war, hurricane, prevalence of diseases, and familiarity with health principles for the residents and people ,going into a building .weather residential or education, etc	M
21	Architect Technical Design	3	48	16	32	The aim is familiarizing the students with architectural principles and promoting the spirit of initiation in them about architectural designs and drafting details of building, structures, foundations and .etc	M

NO	Course Title	Credit	Hour			Description	Type of Course
			Total	Theory	Practical		
22	Mathematics and Introduction to Statistics	3	48	48	-	The aim is familiar with Statistic	B
23	Introduction to Computer and its Applications	2	32	16	48	The aim is getting familiar with the history, principles, operating system, students in this course will be acquainted with applied software packages such as calculating, drafting, archive, human records software packages, etc	B
24	General Physics	2	32	32	-	The aim is familiarizing students with some parts of the subjects such as heat, electricity, building stability against mechanical and dynamic forces (.impacts, etc)	B
25	General Physics Lab	1				The aim is instructing subjects regarding applied physics in buildings	B
26	Training	2	240	-	240	The aim is training in an organization about urban subjects to be familiar with .the activities and work processes	G
27	English Language	3	48	48	-	The aim is familiarizing the students with English general texts	G
28	Persian Language	3	48	48	-	Language Course and the aim is discussing the poem and prose from old literature of Persian	G
29	Islamic Thoughts 1	2	32	32	-	Religious Concepts	G
30	Islamic Ethics	2	32	32	-	Religious Course	G
31	Physical Education 1	1	32	-	32	Having one credit for physical exercises and basic Sports (.Exercise and etc ,Running) Bar Fix	G
32	Family Planning	1	16	16	-	Familiarity with methods of controlling the population, hygiene, fertility, and family matters	G

NO	Course Title	Credit	Hour			Description	Type of Course
			Total	Theory	Practical		
33	Prerequisite Mathematics	3	32	32	-	Principle of Mathematical Induction, Complex numbers; Functions: Odd, Even and Periodic functions Hyperbola .functions and their graphs	P
34	Prerequisite Physics	2	32	32	-		P
35	Prerequisite English Language	3	32	32	-		P