

2nd Year / 3rd Semester

CE 203: Construction Materials

2.0 credits; 2 hours/week theory

Types, preparation, properties and uses of materials - such as stone, brick, cement, sand, concrete, timber, soil, ferrous and nonferrous metals and plastics. Specifications and quality control.

URP 211: Urban Planning Principles

3 credits; 3 hours/week theory

Definition, objective and scope of urban planning. Urban functions, activities and land use components. Modern principles of planning—town centre, residential area, recreational area, industrial area, commercial area, transportation network, metropolitan region, satellite town, new town, special areas like airport, seaport, railway station, bus terminal.

URP 217: Site and Area Planning

3.0 credits; 3 hours/week theory

Introduction to site and area planning; types of site development. Site selection and analysis: natural factors, cultural factors, and aesthetic factors; land use and circulation; site drainage, grading and earthwork; alignment of horizontal and vertical curves. Site layout and development for residential, institutional, industrial, shopping, and other types of development. Subdivision planning. Landscape and planting.

URP 291: Statistics for Planners – I

3 credits; 3 hours/week theory

Summarizing data: Frequency distribution and graphical presentations, statistical descriptions—samples and populations. Measures of central tendency—mean, median, mode. Measures of dispersion—range, mean deviation, variance and standard deviation, moments, skewness and kurtosis.

Basic probability distributions: discrete and continuous probability distributions—Binomial, Poisson and Normal distributions. Sampling and sampling distributions.

Decision analysis: statistical inference—estimation, point and interval estimation. Aggregation and index numbers.

Hum 179: Sociology

3.0 credits; 3 hours/week theory

Scope. Some basic Concepts. Social Evolution and Technique of Production. Culture and Civilization. Social Structure of Bangladesh. Population and Resources. Oriental and Occidental Societies. Industrial Revolution. Family - urbanization and industrialization. Urban Ecology. Rural Sociology. Sociology of Development and Underdevelopment. Socialization: Process of social learning; Socialization and family structure.

URP 204: Social and Physical Surveys**3 credits; 6 hours/week sessional**

Meaning of survey, types of surveys, purpose of surveys and their applications in planning.

Elements of social survey—units, subjects and spatial coverage.

Social survey methods. Household survey and questionnaire preparation. Social survey data analysis methods. Students will be required to work on a topic which would involve elements of social survey, i.e., questionnaire design and preparation, coding, data collection and analysis as part of their studio work.

Physical survey: secondary survey on topography, land level, natural drainage and slope. Primary survey of land uses, transportation network, access ways, utilities and services network, types of structures, age of structures, land values, population density distribution etc.

URP 218: Site and Area Planning Studio**3.0 credits; 6 hours/week sessional**

Studio works related to course Plan 217. Practical and field works relating to site, area and land subdivision planning.

Hum 272: Developing English Skills**1.5 credits: 3 hours/week sessional**

Grammar: Tense, Article, Preposition, Subject Verb Agreement, Clause, Conditional and Sentence Structure.

Vocabulary Building: Correct and Precise Diction, Affixes, Level of Appropriateness; Colloquial and standard, Informal and Formal.

Developing Reading Skill: Strategies of Reading-Skimming, Scanning Prediction, Inferencing; Analyzing and Interpreting Variety of Texts; Practicing Comprehension from Literary and Non Literary Texts.

Developing Writing Skill: Sentences, Sentence Variety, Generating Sentences; Clarity and Correctness of Sentences; Linking Sentences to Form Paragraphs, Writing Paragraphs, Essays, Reports, Formal and Informal Letters.

Listening Skill and Note Taking: Listening to Recorded Texts and Class Lectures and Learning to Take Useful Notes Based on Listening.

Developing Speaking Skill: Oral Skills Including Communicative Expressions For Personal Identification, Life at Home, Giving Advice and Opinion, Instructions and Directions, Requests, Complaints, Apologies, Describing People and Places, Narrating events.