

4th Year / 7th Semester

URP 400: Project/Thesis

6.0 credits; 6 hours/week/term (for 2 terms)

Major individual studies on real world topics related to planning, development, implementation or policy issues. The objective is to develop initiative, self reliance, creative ability and some planning experience for the students. The outcomes of the study must be submitted in a comprehensive report following a standard format of presentation acceptable to the Department along with appropriate drawings, maps, charts, etc.

URP 401: Project Evaluation and Management

3.0 credits; 3 hours/week theory

Project cycle. Concepts of evaluation: the efficiency versus equity criteria, economic versus financial evaluation; methods of evaluation; the welfare basis of social evaluation: consumers surplus, producers surplus, Pareto optimality, transfer payments, intangible items, shadow pricing, externalities, equity problem; concept of social cost benefit analysis; time value of money; discounting technique; choice of discount rate and social time preference; investment criteria; basic concepts of financial accounting; dealing with risk and uncertainty. Introduction to other techniques of evaluation. Appraisal requirements by national and international financing agencies. Concept of project management, introduction to different management techniques.

URP 403: Legal Basis of Planning

3.0 credits; 3 hours/week theory

Legal aspects of planning and its importance. Enabling legislation process. Planning laws in different countries. The Development Plan (structure and local) process and need for legislation. Development control-planning permission, development orders, special forms of control. New town development laws. Compensation and betterment problems. Urban renewal practice. Planning laws in Bangladesh. Pourashava Ordinance, Town Improvement Act, East Bengal Building Construction Act, Building Regulations of RDA. Land acquisition and compensation rules and regulations. The meaning of development-the control of development including planning permission, development orders, purchase notice, the enforcement of planning controls, compensation and betterment problems with reference to Bangladesh.

URP 451: Environmental Planning and Management

3.0 credits; 3 hours/week theory

Theories of natural systems. Concepts important to environmental planning. The environmental impacts of human actions. The

environmental planning procedures: Defining planning area; inventory of environmental resources; assessment of environmental impacts - impact identification, impact measurement and impact evaluation. Mitigation of environmental impacts: impact prevention measures; impact management measures. Case studies in environmental management.

CE 441: Basic Environmental Engineering

3.0 credits; 3 hours/week

Water Supply: objectives and basic elements of water supply system; water requirements; water requirements; population prediction and water demand assessment; fire demand; planning of water supply systems - sources, abstraction, transmission, treatment and distribution.

Sanitation: urban and rural sanitation; low-cost sanitation technologies; elements of a conventional water borne system - collection, transportation, treatment and disposal; planning of sanitation systems.

Environmental pollution - air, water and soil, and noise pollution

URP 417: Planning of Tourism and Recreational Facilities

3.0 credits; 3 hours/week theory

Key concepts in recreation planning. Recreation needs and resources. Functions and classification of open space, parks, and recreation areas. Analyses of demand, supply and use pattern. Parks and open space standards - approaches to developing standards. Selection of sites. The recreation space master plan and its components. Implementation strategies.

URP 431: Rural Development Planning II

3 credits; 3 hours/week theory

Rural-urban disparities; rural-urban linkages and rural-urban migration; people's participation and rural development; Rapid Rural Appraisal and Participatory Rural Appraisal; rural services

and utilities development (transport, water supply, sanitation, electrification and extension services); rural economic and social sectors development—agriculture, rural non-farm activities, community development, women's empowerment, health and nutrition, education; rural growth centre development in Bangladesh; strengthening local level institutions and rural development in Bangladesh; NGOs and rural development; rural poverty and micro credit programs for rural poverty alleviation; disaster management planning in rural areas; practices and experiences of rural development in developed and developing countries.

URP 446: Transportation Planning Studio

3.0 credits; 6 hours/week sessional

Case studies in transportation studies and planning. Workshops on local area transport planning, vehicular and pedestrian

circulation plan for residential area, shopping complex, precinct, and other practical and field works related to courses Plan 343 and 345.

URP 434: Regional Planning Studio

3.0 credits; 6 hours/week sessional

Individual or group projects involving application of planning techniques for analyzing problems related to regional development planning.

URP 470: Internship

Non-credit; 4 weeks;

4 weeks of internship in a planning related job at an organization/firm prescribed by the department. Performance will be evaluated based on report submitted by the intern and evaluation of the reporting officer at the organization/firm. Grade awarded shall be 'S' for satisfactory and 'U' for unsatisfactory.