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| Course title: Law and Policy for Maps and Remote Sensing | | | | |
| Course code: NRG 160 | No. of credits: 4 | L-T-P distribution: 42-14-0 | Learning hours: 56 | |
| Pre-requisite course code and title (if any): | | | | |
| Faculty: Mr MV Shiju | | Department: Department of Natural Resources | | |
| Course coordinator (s): Mr MV Shiju | | Course instructor (s): Mr MV Shiju | | |
| Contact details: | | | | |
| Course type | Compulsory | Core | Elective | |
| Course offered in | Semester 1 | Semester 2 | Semester 3 | Other |
| Course Description It also deals with legal systems, related linkages with land use/cover systems, remote sensing & map policy. | | | | |
| Course objectives 1. To introduce the laws and policies both at the national and international level relating to maps and remote sensing 2. To explain the role of law, policy and institutions in the conservation and management of natural resources | | | | |
| Course content | | | | |
| SNo | Topic | L | T | P |
| 1. | An Introduction to the Legal System (Constitution, Statutes, Rules etc., Judiciary and its hierarchy, Difference between policy and law) | 4 | 1 | |
| 2. | An Introduction to International Law (Sources; Treaty-Negotiation & its adoption, signature; ratification; accession; entry into force; difference with declaration) | 4 | 1 | |
| 3. | Land Law (Concepts in land related rights; easement rights-tenured rights-community rights-restrictions on the rights relating to land, TP Act; Land Acquisition Act-Public Purpose defined, Common Property Resources National Land Use Policy) | 10 | 3 | |
| 4. | Forest and Wildlife Law (Legal classification of forests, Restrictions on the rights, Indian Forest Act, 1927, Forest Conservation Act, 1980, Tribal rights over forest Schedule areas under the Constitution, Wild Life Act, 1972 etc.) | 10 | 3 | |
| 5. | Law and Policy Related to Remote Sensing (Relevant International Instruments:-Outer Space Treaty, Convention on International Liability and Damage caused by Space objects, UN Principles relating to Remote Sensing of the Earth from Outer Space, Remote Sensing Data Policy (ISRO), Laws in other Jurisdictions-U.S., Canada, Security Issues, Evidentiary value) | 10 | 4 | |

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| 6. | National Map Policy (Copyright Law, Licensing) | 4 | 2 | |
| | Total | 42 | 14 | |
| Evaluation criteria | | | | |
| <ul style="list-style-type: none"> ▪ 2 minor tests: 15% each ▪ Tutorial: 20% ▪ Major exam: 40% | | | | |
| Learning outcomes | | | | |
| By the end of the course, the students are expected to: | | | | |
| <ol style="list-style-type: none"> 1. be familiar with the laws, policies and institutions in the field of maps and remote sensing both at the national and international level 2. acquire the ability to evaluate the role of law and policy in conservation and management of natural resources | | | | |
| Pedagogical approach | | | | |
| Materials | | | | |
| Required text | | | | |
| <ol style="list-style-type: none"> 1. Ackerman B., Ellickson R. and Rose C.M. (2002) <i>Perspectives on Property Law</i>, 3rd ed. Aspen Law and Business. 2. Stoebeck W.B. and Dale A.W. (2000) <i>The Law of Property</i>, 3rd. ed. St. Paul MN, West Group Publishing. | | | | |
| Suggested readings | | | | |
| Case studies | | | | |
| Websites | | | | |
| Journals | | | | |
| <ol style="list-style-type: none"> 1. Asian Journal of Geoinformatics 2. Geocarto International 3. International Journal of Geoinformatics 4. International Journal of Remote Sensing 5. ISPRS Journal of Photogrammetry and Remote Sensing 6. Remote Sensing of Environment | | | | |
| Additional information (if any) | | | | |
| Magazines | | | | |
| <ol style="list-style-type: none"> 1. Coordinates 2. GIM International 3. GIS World 4. GIS@development 5. Goespatial today 6. GPS World | | | | |
| Student responsibilities | | | | |
| Attendance, feedback, discipline, guest faculty etc | | | | |