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| Course Code | DE55xx | | |
| Course Name | Information systems in Public Health | | |
| Credits | 2 | | |
| Course Offered to | UG/PG | | |
| Course Description | This course will give an understanding of public health information systems. It will include key concepts of public health, sources of public health information, ethics in public health practice and research, and an understanding of various public health information systems in use. | | |
| Pre-requisites | | | |
| Pre-requisite (Mandatory) | Pre-requisite (Desirable) | Pre-requisite(other) | |
| | None | | |
| *Please insert more rows if required | | | |
| Post Conditions*(For suggestions on verbs please refer the second sheet) | | | |
| CO1 | CO2 | CO3 | CO4 |
| Understand the scope and concerns of public health | Appreciate the subtleties of the varied forms of information about the health of a population and related matters | Understand the existing use of information systems in support of public health. | Understand the role of ethics in public health |
| Weekly Lecture Plan | | | |
| Week Number | Lecture Topic | COs Met | Assignment/Labs/Tutorial |
| 1 | Scope and Concerns of Public Health | CO1 | Discussion |
| 2 | Determinants of Health - An overview | CO1 | Discussion |
| 3 | Sources of Public Health information | CO2, CO3 | Discussion |
| 4 | Priority Health Metrics (Indicators of Sustainable Development Goals) | CO1, CO2, CO3 | Discussion |
| 5 | Historical perspective of information systems in public health | CO3 | Discussion |
| 6 | Information systems in support of public health in high-income countries-1 | CO2, CO3 | Case studies |
| 7 | Information systems in support of public health in high-income countries-2 | CO2, CO3 | Case studies |
| 8 | Information systems in support of public health in low and middle-income countries-1 | CO2, CO3 | Case studies |
| 9 | Information systems in support of public health in low and middle-income countries-2 | CO2, CO3 | Case studies |
| 10 | New communication technologies, social media & public health | CO2, CO3 | |
| 11 | Ethical principles in public health | CO1, CO4 | Case studies |
| 12 | Key ethical issues in public health research | CO1, CO4 | Case studies |
| 13 | Challenges and way forward | CO2 | Field visit |
| Weekly Lab Plan | | | |
| Week Number | Laboratory Exercise | COs Met | Platform(Hardware/Software) |
| *Please insert more rows if required | | | |
| Assessment Plan | | | |
| Type of Evaluation | % Contribution in Grade | | |
| Assignment | 30 | | |
| Quiz | 10 | | |
| Mid-sem | 20 | | |
| End-sem | 20 | | |
| Project | 20 | | |
| Resource Material | | | |
| Type | Title | | |
| Textbook | Oxford Textbook of Global Public Health (2015) | | |
| | Ortmann L.W. et al. (2016) Public Health Ethics: Global Cases, Practice, and Context. In: H. Barrett D., W. Ortmann L., Dawson A., Saenz C., Reis A., Bolan G. (eds) Public Health Ethics: Cases Spanning the Globe. Public Health Ethics Analysis, vol 3. Springer, Cham | | |
| Reference | | | |
| Reference | Epidemiology, Leon Gordis, Fifth Edition | | |