**Contents**

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| --- | --- | --- | --- | --- | --- |
| SL | ILO | Topic | Teaching Strategy | Assessment  Strategy | Number of  Classes |
| Week 1 | 1 | **Overview:**  Network layers, Topologies, Network switches, bridges, gateways and related requirements. | Lecture, Exercise | Q/A | 1,2 |
| Weeks 2 | 1,4 | **The Internet:**  Types of address names resolutions, world wide web, File transfer protocol, gopher extensions. | Lecture, Exercise | Q/A, Test Assignment | 3,4 |
| Weeks 3, 4 | 1,3 | **Web browsers, Servers and Securities :**  Web browsers, web proxies and web backend, Firewalls and virus properties, Data securities. | Lecture, Exercise | Q/A, Test Assignment | 5,6,7,8 |
| Weeks 5 | 2,4 | **Creating websites:**  Websites generation, html structuring, dynamic html, xml universal formats. | Lecture, Exercise | Q/A, Test Assignment | 9,10 |
| Weeks 6 | 3,4 | **Searching and web casting techniques:**  Search engines, search tools, subscribing, channel push technology. | Lecture, Exercise | Q/A, Test Assignment | 11, 12 |
| Weeks 7,8 | 1,4 | **web technologies:**  Java web interfacing, Java Script scripting, GUI creating, event handling, applets . | Lecture, Exercise | Q/A, Test Assignment | 13,14, 15, 16 |
| Weeks  9, 10 | 1,4 | **Network Security and Dynamic Functionality on Web:**URL classes, Java servlets, CGI script communications. | Lecture, Exercise | Q/A, Test Assignment | 17, 18, 19, 20 |
|  | Total | | | | 20 |

**Course Notes**: Follow Lecture notes

**Text Book:**

1. D.E Comer- Internetworking with TCP/IP, Vol-I,II,III
2. E. Nemeth, G. Snyder, T.R. Hein-Linux Administration Handbook.

**Online Recourses**: Use Internet to get documents on specific topics