

MTD219 Internet Technologies

Level: 2

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JAN

Synopsis:

MTD219 Internet Technologies introduces and prepares students for the growing emphasis on internet, social media and mobile content. Students will learn and apply current web technologies such as HTML, CSS, Javascript to develop applications that are suitable for a wide array of devices. Students will also learn and understand how to take advantage of useful and powerful web technologies libraries in their development.

Topics:

- Introduction to web technologies
- HTML Concepts
- CSS Concepts
- Understanding Client-side and Server-side Technologies
- Understanding the use of libraries
- Using Javascript libraries
- Applying UI in web pages
- Understanding canvas
- Using Canvas libraries
- Building interactivity
- Developing a structure for application
- Consuming dynamic content

Textbooks:

Rob Larsen: Beginning HTML and CSS (eTextbook) Wiley
ISBN-13: 9781118340288

Rob Larsen: Beginning HTML and CSS (eTextbook) Wiley
ISBN-13: 9781118340288-AA

Learning Outcome:

- Appraise uses of HTML, CSS and Javascript
- Outline the applications of Client-side and Server-side Technologies
- Discuss HTML application on various platforms
- Apply libraries in the construction of web pages
- Develop web pages
- Compare the web page's responsiveness for various platforms

Assessment Strategies:

| Continuous Assessment Component | Weightage (%) |
|--|----------------------|
| TUTOR-MARKED ASSIGNMENT | 15 |
| LAB REPORT | 15 |
| Sub-Total | 30 |

| Examinable Component | Weightage (%) |
|-----------------------------|----------------------|
| ECA | 70 |
| Sub-Total | 70 |

Weightage Total **100**