**COURSE OUTLINE (Tentative)**

**Course Code:** CSE 314

**Course Title:** Operating System Sessional

**Level/Term:** 3/2 **Section:** A/B

**Academic Session:** 2017-18

**Course Teachers:**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Initial | Room | E-mail |
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| [Dr. Mohammad Saifur Rahman](https://cse.buet.ac.bd/faculty_list/detail/mrahman) | MDSR | ? | [mrahman@cse.buet.ac.bd](mailto:mrahman@cse.buet.ac.bd) |
| [Ishtiyaque Ahmad](https://cse.buet.ac.bd/faculty_list/detail/ishtiyaque) | IA | ? | [ishtiyaque.2197@yahoo.com](mailto:ishtiyaque.2197@yahoo.com) |
| [Mehnaz Tabassum Mahin](https://cse.buet.ac.bd/faculty_list/detail/mehnaztabassum) | MTM | ? | [mehnaztabassummahin@gmail.com](mailto:mehnaztabassummahin@gmail.com) |
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**Assessment:**

|  |  |
| --- | --- |
| Attendance | **10%** |
| Shell Script Offline | **10%** |
| Shell Script Online | **10%** |
| IPC Offline | **15%** |
| Fork Online | **10%** |
| XV6/Nachos Assignments | **20%** |
| Quiz | **25%** |
| **Total** | **100%** |

**Text and Reference books:**

|  |  |  |
| --- | --- | --- |
| Book Name | Author | Edition |
| Modern Operating Systems | Andrew S. Tanenbaum | 3rd or 4th |

**Tentative Weekly schedule:**

|  |  |  |
| --- | --- | --- |
| Week | Topics | Teacher’s Initial |
| Week 1 | * Lectures on Shell Commands |  |
| Week 2 | * Lectures on Shell Script and Offline 1 |  |
| Week 3 | * Offline 1 evaluation and Online |  |
| Week 4 | * Lecture on pthread and Offline 2 |  |
| Week 5 | * Lecture on fork |  |
| Week 6 | * Offline 2 evaluation and Online |  |
| Week 7 | * Lecture on Linux Kernel Compilation and System Call Implementation |  |
| Week 8-14 | * XV6/ NACHOS |  |

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| Prepared by : | |
| Name: Dr. Rifat Shahriyar  Signature:  Date: 27-10-2018 | **Name:** [Dr. Mohammad Saifur Rahman](https://cse.buet.ac.bd/faculty_list/detail/mrahman)  **Signature:**  **Date:** 27-10-2018 |
| Name: [Ishtiyaque Ahmad](https://cse.buet.ac.bd/faculty_list/detail/ishtiyaque)  Signature:  Date: 27-10-2018 | Name: [Mehnaz Tabassum Mahin](https://cse.buet.ac.bd/faculty_list/detail/mehnaztabassum)  Signature:  Date: 27-10-2018 |
| Name: Md. Saiful Islam  Signature:  Date: 27-10-2018 |  |