

## **COURSE OUTLINE (Tentative)**

**Course Code:** CSE 314 (January 2020)

**Course Title:** Operating System Sessional

**Level/Term:** 3/2

**Section:** A/B

### **Course Teachers:**

Name	Initial	Room	E-mail
Khaled Mahmud Shahrar	KMS	217	kmsahrar@gmail.com
Sukarna Barua	SB	-	sukarna.barua@gmail.com
Mahmudur Rahman Hera	MRH	412	mahmudhera93@gmail.com
Shehab Sarar Ahmed	SSA	516	shehab@teacher.cse.buet.ac.bd
Md. Masum Mushfiq	MMM	418	mushfiq@teacher.cse.buet.ac.bd

### **Assessment:**

Attendance	10%
Shell Script Offline	10%
Shell Script Online	10%
IPC Offline	10%
Nachos Assignments	35%
Quiz	25%
<b>Total</b>	<b>100%</b>

### **Text and Reference books:**

Book Name	Author	Edition
Modern Operating Systems	Andrew S. Tanenbaum	3 <sup>rd</sup> or 4 <sup>th</sup>

### **Tentative Weekly schedule:**

Week	Topics	Teacher's Initial
<b>Week 1</b>	Lectures on Shell Commands	
<b>Week 2</b>	Lectures on Shell Script and Offline 1 on shell script	
<b>Week 3</b>	Offline 1 evaluation and Online	
<b>Week 4</b>	No class due to outbreak of pandemic	

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<b>Week 5</b>	No sessional	
<b>Week 6</b>	No sessional	
<b>Week 7</b>	No sessional	
<b>Week 8</b>	No sessional	
<b>Week 9</b>	Practice	
<b>Week 10</b>	Lecture on pthread and Offline 2 on IPC	
<b>Week 11</b>	Offline 2 evaluation	
<b>Week 12</b>	Nachos installation, lecture on Nachos	
<b>Week 13</b>	Offline 3 on system calls for thread support and multithreading	
<b>Week 14</b>	Practice class	
<b>Week 15</b>	Offline 3 evaluation	
<b>Week 16</b>	Offline 4 on Nachos enabling virtual memory management, paging, caching	
<b>Week 17</b>	Practice class	
<b>Week 18</b>	Practice class	
<b>Week 19</b>	Offline 4 evaluation	
<b>Week 20</b>	Lecture on Linux Kernel	
<b>Week 21</b>	Quiz	

**Prepared by**

**Name:** *Mahmudur Rahman Hera*

**Signature:**

**Date:** 17-02-2019