



Computer Fundamentals

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Introduction



Grading System

Grade	GPA	Grade	GPA	Grade	GPA
A	4.00	C+	2.33	F	0.00
A-	3.67	C	2.00	I	
B+	3.34	C-	1.67	W	
B	3.00	D+	1.33		
B-	2.67	D	1.00		



Tentative Grading Criteria

➤ Exams

- ❑ Final Exam: **50%**
- ❑ Mid Term Exam: **25%**

➤ Sessional

- ❑ Assignments: **15%**
- ❑ Quizzes: **10%**

➤ Attendance

- ❑ **75%** classes must be attended
- ❑ Anything below **75%** would result in F grade



Academic Honesty

- Students to be awarded 'F' grade if
 - ❑ Collaborated excessively in individual tasks
 - ❑ Found to have cheated e.g.
 - Copied or shared assignment
 - Copied during examination
- Repeated infractions will result in
 - ❑ Failure in the course
 - ❑ Disciplinary action



Warning

- No mobile phone usage during Lecture





Resource Material

➤ Course Book

- ❑ **Introduction to Computers**, Peter Norton, 7th or 8th Edition

➤ Reference Book

- ❑ **Discovering Computers**, Shelly, Cashman and Vermaat, 2008



General Discussion

- i. Learning method (College vs University)
- ii. How many of you have a personal computer?
- iii. How many of you can install OS and other application softwares?
- iv. How many of you can do typing?
- v. How many of you have email and social media accounts?
- vi. How many of you can troubleshoot PC?





Course Group

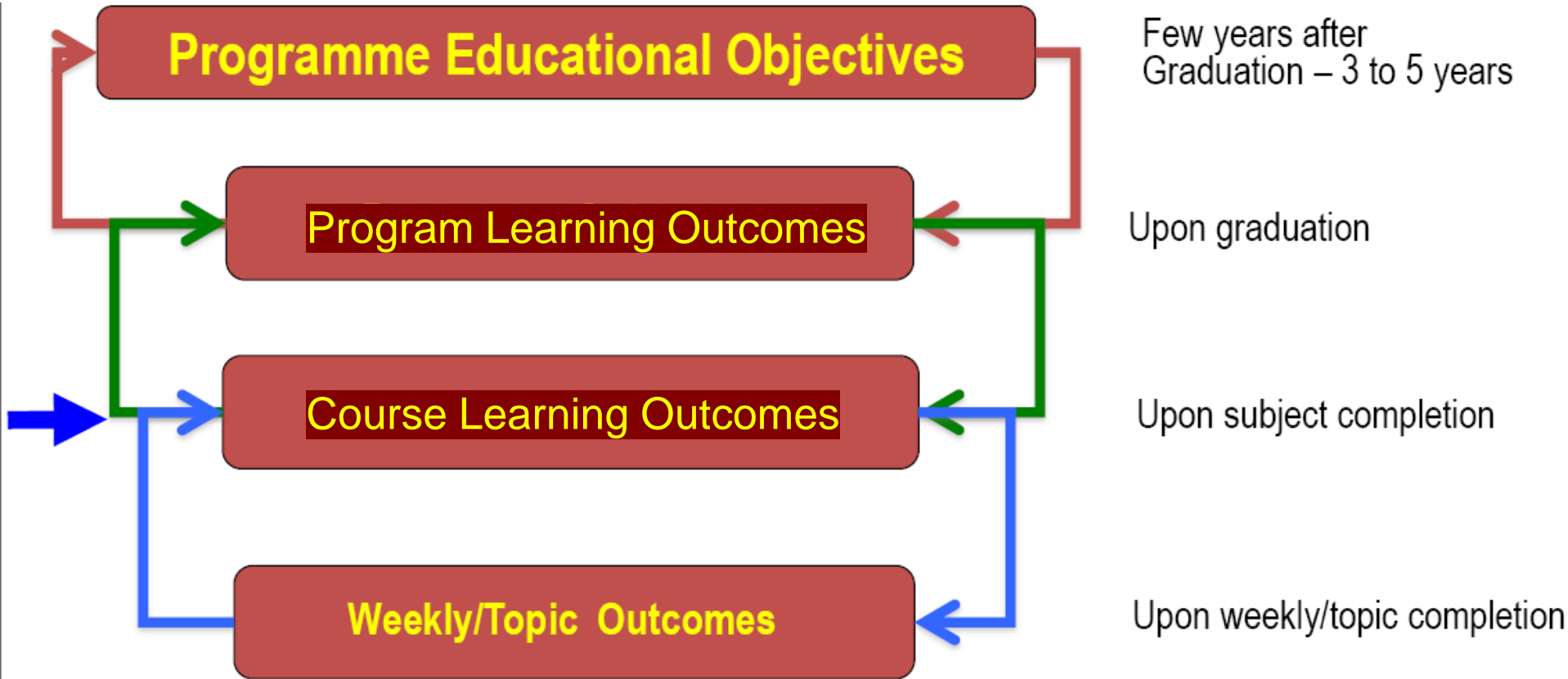
https://groups.google.com/forum/#!forum/2019_CF_fall





Outcome Based Education

➤ Different levels of Outcomes



Source: Two day International Workshop Outcome Based Education (OBE) System, Megat and Azlan, 29-30 Oct. 2015



Program Learning Outcomes (PLOs)

- At the end of the degree program, students must have excelled in these attributes:
 - ❑ [PLO-1]: Engineering Knowledge
 - ❑ [PLO-2]: Problem Analysis
 - ❑ [PLO-3]: Design/Development of Solutions
 - ❑ [PLO-4]: Investigation
 - ❑ [PLO-5]: Modern Tool Usage
 - ❑ [PLO-6]: The Engineer and Society
 - ❑ [PLO-7]: Environment and Sustainability
 - ❑ [PLO-8]: Ethics
 - ❑ [PLO-9]: Individual and Team Work
 - ❑ [PLO-10]: Communication
 - ❑ [PLO-11]: Project Management
 - ❑ [PLO-12]: Lifelong Learning



Course Learning Outcomes (CLOs)

- At the end of the course, students should be able to:
 - ❑ [CLO-1]: Describe components of a computer system and explain the information processing cycle of computer
 - ❑ [CLO-2]: Explain the role of computers in society and discuss the benefits of computer for technological advancement
 - ❑ [CLO-3]: Apply computer programming structures for solving engineering problems with flowchart and pseudocode



CLO-PLO Mapping in CF Course

CLO #	CLO	PLO #	PLO
CLO-1	Describe components of a computer system and explain the information processing cycle of computer	PLO-1	Engineering Knowledge
CLO-2	Explain the role of computers in society and discuss the benefits of computer for technological advancement	PLO-6	The Engineer and Society
CLO-3	Apply computer programming structures for solving engineering problems with flowchart and pseudocode	PLO-3	Design/Development of Solutions