



**School of Civil & Environmental Engineering
Geotechnical Engineering Chair**

CEng3143_Fundamentals of Geotechnical Engineering – III_2012Edition		
Task name	Due date	Groups? (Y/N)
Assignment 3	27-MAY-2020	To be done in groups of 10

Group	Task
1 / 4	Write code for computation of lateral earth pressure under various conditions using C++ along with a poster presentation
2 / 5	Write code for computation of lateral earth pressure under various conditions using MathLab along with a poster presentation
3 / 6	Write code for computation of lateral earth pressure under various conditions using Python along with a poster presentation

Specifications:

1. Code

- It must recognize acceptable ranges for the different parameter inputs.
- The user interface must be consistent in all views of the application and be completely transparent in terms of how it can be used.

2. Poster

- Size of poster: A1
- Important information should be readable from about 3 m away
- Text should be clear and to the point with consistent and clean layout
- Includes acknowledgments, your name and institutional affiliation

NB. Present your draft plan to your instructor(s) well before proceeding to printing.