

|   |   |   |   |   |   |               |   |   |   |   |   |  |
|---|---|---|---|---|---|---------------|---|---|---|---|---|--|
| Course Number and Name  |   |   |   |   |   |               |   |   |   |   |   |  |
| <b>BCE4L2 - SOIL MECHANICS LABORATORY</b>   |   |   |   |   |   |               |   |   |   |   |   |  |
| Credits and Contact Hours   |   |   |   |   |   |               |   |   |   |   |   |  |
| <b>2 &amp; 45</b>   |   |   |   |   |   |               |   |   |   |   |   |  |
| Course Coordinator's Name   |   |   |   |   |   |               |   |   |   |   |   |  |
| Mr.K.Venkatraman  |   |   |   |   |   |               |   |   |   |   |   |  |
| Course Objective  |   |   |   |   |   |               |   |   |   |   |   |  |
| <ul style="list-style-type: none"> <li>To understand and assess both Physical and Engineering behavior of soils through laboratory testing procedures.</li> </ul> |   |   |   |   |   |               |   |   |   |   |   |  |
| Prerequisites   |   |   |   |   |   | Co-requisites |   |   |   |   |   |  |
| Soil Mechanics  |   |   |   |   |   | NIL           |   |   |   |   |   |  |
| required, elective, or selected elective (as per Table 5-1)   |   |   |   |   |   |               |   |   |   |   |   |  |
| Course Outcomes (COs)   |   |   |   |   |   |               |   |   |   |   |   |  |
| CO1   | To learn about the different type of soil according to their classification and their size distribution |   |   |   |   |               |   |   |   |   |   |  |
| CO2   | To determine the soil's property and their atterberg's limit.   |   |   |   |   |               |   |   |   |   |   |  |
| CO3   | To have a clear understanding about determining the optimum moisture                                    |   |   |   |   |               |   |   |   |   |   |  |
| CO4   | About the compressive strength of the soil which is obtain from the site.                               |   |   |   |   |               |   |   |   |   |   |  |
| CO5   | To know about permeability of the soil, consolidate test on the soil.                                   |   |   |   |   |               |   |   |   |   |   |  |
| Student Outcomes (SOs) from Criterion 3 covered by this Course  |   |   |   |   |   |               |   |   |   |   |   |  |
| COs/SOs   | a   | b | c | d | e | f             | g | h | i | j | k |  |
| CO1   | M   | H | M | M | M |               |   |   |   |   |   |  |
| CO2   | L   | M | H |   |   |               |   |   |   |   |   |  |
| CO3   |   |   | M | M |   |               |   |   |   |   |   |  |
| CO4   | L   |   |   |   |   |               |   |   |   |   |   |  |
| CO5   |   |   | M | M |   |               |   |   |   |   |   |  |