

## Engineering Physics Major Curriculum Map and PLOs Alignment Chart

|  |                         | PLO #1<br>Knowledge/Critical Thinking                 | PLO #2<br>Experimental and<br>Theoretical Skills    | PLO #3<br>Communication Skills  | PLO #4<br>Christian Orientation                     |
|--|-------------------------|---|---|---|---|
| <b>Alignment with Westmont Learning Outcomes</b> |                         | • Critical Thinking                                   | • Quantitative Literacy                             | • Competence in Written Communication<br>• Competence in Oral Communication | • Christian Understanding                           |
| <b>Benchmarks</b>                                |                         | 70% of students above the 50 <sup>th</sup> percentile | 60% accomplished 90% satisfactory                   | 60% Exemplary 80% Proficient  | 90% Advanced 70% Proficient                         |
| <b>Means of Assessment</b>                       |                         | Major Field Test Physics                              | Quality of laboratory abstracts evaluated by rubric | Quality of senior seminar papers evaluated by rubric                        | Quality of faith/learning paper evaluated by rubric |
| <b>Who is in charge?</b>                         |                         | Department Chair                                      | Department Chair                                    | Department Chair  | Department Chair                                    |
| <b>Courses</b>                                   | <b>Core or Elective</b> |   |   |   |   |
| 21   | Core                    | I   |   |   | I   |
| 22   | Core                    | I   | I   | I   |   |
| 23   | Core                    | I   |   |   |   |
| 24   | Core                    | I   | D   | D   |   |
| 25   | Core                    | D   |   |   | D   |
| 26   | Core                    | D   | D   | D   |   |
| 40   | Core                    | D   |   |   |   |
| 115  | Core                    | M   |   |   |   |
| 121  | Elective                | M   |   |   |   |
| 122  | Elective                | M   |   |   |   |
| 130/131  | Core                    | M   |   |   |   |
| 142  | Core                    | M   |   |   |   |
| 143  | Core                    | M   | M   | M   |   |
| 150  | Core                    | M   |   |   |   |
| 151  | Elective                | M   |   |   |   |
| 160  | Elective                | M   |   |   |   |
| 170/190/198                                      | Core                    | M   | M   | M   |   |
| 195  | Core                    | M   |   | M   | M   |