

**Faculty of Technology**  
**-- HOGESCHOOL GENT --**

2nd year Bachelor in electromechanics - Main Subject: Electromechanics  
 [Academic Year 2008 - 2009]

| No. | Course   | Sem. | P-T 2Y. | A    | B    | C    | D          | E         |
|-----|--|------|---------|------|------|------|------------|-----------|
| 1   | communication skills 2   | 1    | 1       | 36.0 |      | 36.0 | <b>150</b> | <b>6</b>  |
| 2   | technical mathematics  | 1    | 1       | 24.0 |      | 12.0 | <b>75</b>  | <b>3</b>  |
| 3   | applied informatics  | 1    | 1       |      | 12.0 | 12.0 | <b>75</b>  | <b>3</b>  |
| 4   | safety, quality assurance and environmental technology                                   | 1    | 2       | 24.0 |      |      | <b>75</b>  | <b>3</b>  |
| 5   | 1 course unit worth 3 ECTS credits to be chosen from the list with optional course units |      | 1       |      |      |      | <b>75</b>  | <b>3</b>  |
|     | - social philosophy and ethics   | 2    |         | 24.0 |      | 12.0 | 75         | 3         |
|     | - social economics   | 2    |         | 24.0 |      | 12.0 | 75         | 3         |
|     | - history of science   | 2    |         | 24.0 |      | 12.0 | 75         | 3         |
|     | - general studies  | 2    |         | 10.0 |      | 65.0 | 75         | 3         |
|     | - language placement in Germany  | 2    |         |      | 15.0 | 36.0 | 75         | 3         |
|     | - language placement in Spain  | 2    |         |      | 15.0 | 36.0 | 75         | 3         |
| 6   | controls and automation  | 2    | 2       | 12.0 | 60.0 | 24.0 | <b>175</b> | <b>7</b>  |
| 7   | power electronics  | 1    | 2       | 12.0 | 24.0 | 12.0 | <b>75</b>  | <b>3</b>  |
| 8   | electrical machines  | 1    | 2       | 12.0 | 24.0 | 12.0 | <b>100</b> | <b>4</b>  |
| 9   | mechanics  | 1    | 1       | 60.0 |      | 12.0 | <b>125</b> | <b>5</b>  |
| 10  | industrial process engineering   | 2    | 1       | 36.0 | 84.0 | 36.0 | <b>275</b> | <b>11</b> |
| 11  | microcontrollers   | 1    | 2       | 12.0 | 24.0 | 12.0 | <b>100</b> | <b>4</b>  |

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|-----|-------------------------------------|------|---------|---|---|------|-------------|-----------|
| 12  | cross-curricular project 2          | 2    | 2       |   |   | 96.0 | <b>200</b>  | <b>8</b>  |
|     | Code: TCEMEC - 00 - 02 version : 07 |      |         |   |   |      | <b>1500</b> | <b>60</b> |

DT = courses can be taken on a part-time basis, 1 = first part, 2 = second part, etc