

### 5.1.1 PhD by course work

#### Year I, semester I

<b>Course code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 8031	Advances in Food Process Engineering	4	3	1
FEng 8052	Graduate seminar I	2	2	0
FEng 80**	Elective I	3	2	1
	<b>Total</b>	<b>9</b>		

#### Year I, Semester II

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 8051	Research methodology and experimental design	3	2	1
FEng 8053	Graduate seminar II	2	2	0
FEng 80**	Elective II	3	2	1
	<b>Total</b>	<b>8</b>		

\*\* the second digit of the module and the order of the course in the module.

**Year II, Semester I**

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 9054	PhD dissertation	<b>12</b>	<b>0</b>	<b>0</b>
	<b>Total</b>	<b>12</b>		

**Year II, Semester II**

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 9054	PhD dissertation	<b>12</b>	<b>0</b>	<b>0</b>
	<b>Total</b>	<b>12</b>		

**Year III, Semester I**

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 9054	PhD dissertation	<b>12</b>	<b>0</b>	<b>0</b>
	<b>Total</b>	<b>12</b>		

**Year III, Semester II**

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 9054	PhD dissertation	<b>12</b>	<b>0</b>	<b>0</b>
	<b>Total</b>	<b>12</b>		

**Year IV, Semester I**

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 9054	PhD dissertation	<b>12</b>	<b>0</b>	<b>0</b>
	<b>Total</b>	<b>12</b>		

### Year IV, Semester II

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 9054	PhD dissertation	<b>12</b>	<b>0</b>	<b>0</b>
	<b>Total</b>	<b>12</b>		

### 5.1.2 PhD without course work

#### Year I, Semester I

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 9054	PhD dissertation	<b>12</b>	<b>0</b>	<b>0</b>
	<b>Total</b>	<b>12</b>		

#### Year I, Semester II

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 9054	PhD dissertation	<b>12</b>	<b>0</b>	<b>0</b>
	<b>Total</b>	<b>12</b>		

#### Year II, Semester I

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 9054	PhD dissertation	<b>12</b>	<b>0</b>	<b>0</b>
	<b>Total</b>	<b>12</b>		

#### Year II, Semester II

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 9054	PhD dissertation	<b>12</b>	<b>0</b>	<b>0</b>
	<b>Total</b>	<b>12</b>		

**Year III, Semester I**

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 9054	PhD dissertation	<b>12</b>	<b>0</b>	<b>0</b>
	<b>Total</b>	<b>12</b>		

**Year III, Semester II**

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 9054	PhD dissertation	<b>12</b>	<b>0</b>	<b>0</b>
	<b>Total</b>	<b>12</b>		

**Year IV, Semester I**

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 9054	PhD dissertation	<b>12</b>	<b>0</b>	<b>0</b>
	<b>Total</b>	<b>12</b>		

**Year IV, Semester II**

<b>Course Code</b>	<b>Course title</b>	<b>Cr.Hr</b>	<b>L</b>	<b>P</b>
FEng 9054	PhD dissertation	<b>12</b>	<b>0</b>	<b>0</b>
	<b>Total</b>	<b>12</b>		

