



# PHD IN OPTICAL SCIENCES

**TOTAL CREDITS : 154**

**AREAS:**

- 1) OPTICAL ENGINEERING
- 2) OPTICAL METROLOGY
- 3) PHOTONICS
- 4) FIBERS AND LASERS
- 5) PHYSICAL OPTICS



INTRODUCTORY COURSES	1ST TERM 13	2ND TERM 10	3RD TERM 14	4TH TERM 13	5TH TERM 13	6TH TERM 13
PHYSICS	*OPTO ELECTRONICS 3	* ELECTIVE I 3	THESIS SEMINAR I 13	THESIS SEMINAR II 13	THESIS SEMINAR III 13	THESIS SEMINAR IV 13
MATH	PHYSICAL OPTICS 3	* ELECTIVE II 3	ENGLISH III 1			
	GEOMETRICAL OPTICS 3	* OPTIONAL I 3				
	OPTICS LAB 3	ENGLISH II 1				
	ENGLISH I 1					

- FUNDAMENTALS OF OPTICS**
- SPECIALIZED KNOWLEDGE AND SKILLS ACCORDING TO AREA**
- FOREIGN LANGUAGE**
- THESIS DEVELOPMENT**

**\* COURSES THAT CAN BE TAKEN IN A DIFFERENT TERM**

7TH TERM 13	8TH TERM 13	9TH TERM 13	10TH TERM 13	11TH TERM 13	12TH TERM 13	<ul style="list-style-type: none"> <li>· CHOICE OF RESEARCH ADVISOR AND RESEARCH PROJECT: -2ND TERM</li> <li>· REQUIREMENTS TO EARN THE DEGREE:               <ul style="list-style-type: none"> <li>- EARN ALL CREDITS STATED IN CURRICULUM.</li> <li>- THESIS DEFENSE IN A DEGREE EXAM.</li> <li>- PUBLISHING OF 2 INDEXED PAPERS WRITTEN AS FIRST AUTHOR, WHOSE IMPACT FACTOR ADDS UP TO 2.0 AS A MINIMUM</li> </ul> </li> </ul>
THESIS SEMINAR V 13	THESIS I 13	THESIS II 13	THESIS III 13	THESIS IV 13	THESIS V 13	