Hong Kong Baptist University
Faculty of Science – Department of Physics

Title (Units):   **PHYS 4015   INTRODUCTION TO INTELLECTUAL PROPERTY (2,2,1)**

Course Aims: This is an elective course for year 4 students majoring in Green Energy Science but it is open to all senior year students in all majors. The course offers basic knowledge on copyrights, patent filing and patent application.

Pre-requisite: Year 4 standing or consent of instructor

Course Reviewed by: Prof. Kok-wai Cheah

Course Intended Learning Outcomes (CILOs):

No.	Upon successful completion of this course, students should be able to
1.	Explain the basics of copyright law, including definition of patents, copyright, trademark and trade secrets, formalities in getting IP protection, and copyright registration practices and procedures.
2.	Formulate patent generation, including patent strategy, and apply the basics in writing a patent.
3.	Process patent filing, including when to file, filing preparation, filing procedure and patent protection.
4.	Make patent application, including where to file complying with basic rules and regulations.

Teaching & Learning Activities (TLAs)

CILOs	TLAs will include the following:
1	The basics of copyright laws are disseminated. It covers definition of patents, copyright, trademark and trade secrets. The basic requirements on getting IP protection, copyright registration are explained; requirements from 2-3 countries are used as examples, such as USA, Europe and China.
2, 3	The strategy of patent generation, its preparation is discussed. How to approach patent writing is outlined, leading to procedure in filing a patent. Critical wordings in a patent and patent filing process will be elaborated.

CILOs	TLAs will include the following:
4	The strategy on where to file a patent is discussed. Basic rules and regulations on patent filing of several major countries/continent such as USA, Europe and China are highlighted.
1-4	Several patent filing examples are used as case studies. Examples will be drawn from USA, Europe and China. Guest lecturers with experience will be invited to present these cases.

Assessment Methods (AMs):

No.	Assessment Methods	Weighting	CILOs to be addressed	Remarks
1.	Continuous Assessment	20%	1-4	Term papers on selected topics
2.	Oral presentation	30%	1-4	Case study with group project presentation
3.	Written Examination	50%	1-4	Examining the understanding of the course subjects.

Learning Outcomes and Weighting:

Content	CILO No.	Teaching (in hours)
I.Basics of copyright law	1	6
II. Patent generation	2	4
III. Patent filing	3	4
IV. Patent applications	4	4
V. Case Study	1-4	6

Textbook: Henri J. A. Charmasson, John Buchaca, Patents, Copyrights & Trademarks For Dummies, Wiley Publishing Inc, 2008.

References:

1. Deborah Bouchoux, Intellectual Property for Paralegals, Cencage Learning Inc, 2009.
2. Stephen M. McJohn, Copyrights: Examples & Explanation, Kluwer 2009.
3. Peter Ganea, Thomas Pattloch and Christopher Heath (eds), *Intellectual Property Law in China (Max Planck Series on Asian Intellectual Property Set)*, Kluwer, 2005.
4. Douglas Clark*, Patent Litigation in China*, Oxford, 2011.

Course Content in Outline:

	Topic	Hours
I.	Basics of copyright law	6
	A. Definition of patents, copyright, trademark and trade secrets	
	B. Formalities in getting IP protection	
	C. Copyright registration	
	D. Copyright practices and procedures	
II.	Patent generation	4
	A. Planning strategy	
	B. Background search	
	C. Claims	
	D. Examples of patent	
	E. Format of a patent	
III.	Patent filing	4
	A. When to file	
	B. Filing preparation	
	C. Filing procedure	
	D. Patent protection	
IV.	Patent application	4
	A. Where to file	
	B. Rules and regulations for USA patent filing	
	C. Rules and regulations for Europe patent filing	
	D. Rules and regulations for China patent filing	
V.	Case Study	6
	2-3 case examples will be discussed (some from guest lecturers)	