Subject Description Form

Subject Code	BME5151						
Subject Title	Intellectual Property, Standards and Regulations of Medical Devices						
Credit Value	3						
Level	5						
Pre-requisite / Co-requisite/ Exclusion	Nil						
Objectives	Quality assurance and regulatory requirements are essential aspects of every medical device development process. This subject addresses the important issues related to developing and using a safe and reliable medical device, as well as meeting regulatory requirements. This subject also discusses patent, copyright, and trademark for the intellectual property protection of medical devices.						
Intended Learning Outcomes	Upon completion of the subject, students will be able to: a. Demonstrate understanding on how to the meet standards and regulatory requirements; b. Demonstrate understanding of the practical knowledge about intellectual property protection.						
Subject Synopsis/ Indicative Syllabus	 Medical Device Classification Patent Law, Patentability, and General Application Procedures Copyright, Design, Trademarks, and Related Legal Issues Intellectual Property Strategy and Management Quality Management System: ISO 13485 Risk Management System: ISO 14971 Medical Software: IEC 62304 Good Clinical Practice: ISO 14155 Medical Device Regulation in US: Premarket Medical Device Regulation in US: Postmarket Medical Device Regulation in HK Medical Device Regulation in China Harmonization of Medical Device Regulation 						
Teaching/Learning Methodology							

Assessment Methods in Alignment with Intended Learning Outcomes	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes assessed					be be	
	Continuous Assessment:	100 %	√	√					
	Individual Written Assignments	75%	1	V					
	Individual Oral Presentation	25%	√	$\sqrt{}$					
	Total	100 %							
	Individual written assignments and individual oral presentation are used to assess the intended learning outcomes.								
Student Study Effort Expected	Class contact:								
	Lecture						39 Hrs.		
	Other student study effort:								
	Individual written assignments						65 Hrs.		
	Individual oral presentation						22 Hrs.		
	Total student study effort						126 Hrs.		
Reading List and References	 United States Patent and World Intellectual Prop International Organizati US Food and Drug Adn European Commission China National Medical Hong Kong's Medical D 	erty Organization for Standaninistration (Inttps://ec.eur	ation (ht ardization arttps://w ropa.eu/ Iministr	ttps://w on (http www.fda /health/ ation (h	ww.wip s://www a.gov/) md_sect attp://wv	o.int/po v.iso.org cor/over vw.nmp	rtal/en/) g/home.ht view_en) a.gov.cn))	