

COURSE OUTLINE

- 1.รหัสและชื่อรายวิชา :** RARD628 : ADVANCED TECHNIQUES FOR RADIOTHERAPY 2(1 -3 -0)
 รมร๖๒๘ : การใช้เทคนิคขั้นสูงสำหรับรังสีรักษา 2(1 -3 -0)
- 2. หลักสูตรและประเภทของรายวิชา :** หลักสูตรวิทยาศาสตรมหาบัณฑิต สาขาวิชาฟิสิกส์การแพทย์เป็นรายวิชาในหมวดวิชาเลือก
- 3. วัตถุประสงค์ของรายวิชา**
- 4. อาจารย์ผู้รับผิดชอบรายวิชา :**
- 5. แผนการสอน :**

สัปดาห์ที่ /ครั้งที่	หัวข้อ	จำนวนชั่วโมง			อาจารย์ผู้สอน
		บรรยาย	ปฏิบัติ	ศึกษาด้วยตัวเอง	
1	IMRT/VMAT	1	0	2	-
2	SRS/SRT/SBRT and motion management	1	0	2	-
3	Lab 1 MLC commissioning	0	3	1	-
4	Lab 2 Patient specific QA	0	3	1	-
5	Small field dosimetry	1	0	2	-
6	Image registration	1	0	2	-
7	Lab 3 Target tracking	0	3	1	-
8	Lab 4 Small field measurement	0	3	1	-
9	Exam I	-	-	-	-
10	Ion therapy/Lab 5	1	3	2	-
11	TBI/TSEI	1	0	2	-
12	Lab 6 TBI	0	3	1	-
13	Professional conduct	1	1	2	-
14	Planning techniques (Forward and inverse planning)	1	0	2	-
15	Lab 7 TPS commissioning	0	3	1	-
16	Commissioning and QA radiotherapy machine	1	0	2	-
17	Brachytherapy TPS	1	0	2	-
18	Lab 8 Brachytherapy QA 1	0	3	1	-

19	Lab 8 Brachytherapy QA 2	0	3	1	-
20	Commissioning and QA imaging instrument	1	0	2	-
21	Journal presentation	-	3	1	-
22	Lab 10 IGRT QA	0	3	1	-
23	Exam 2	-	-	-	-
24	Lab 11 Simulator	-	3	-	-
25	Lab 12 CT-simulator	0	3	1	-
26	Exam Lab 1-12	-	-	-	-

6. เอกสารประกอบการเรียนการสอน :

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