Student Programme Briefing Document

Programme: Bachelor of Medical Imaging
Institution: Vision College
Date:

1. Programme Objectives

The Bachelor of Medical Imaging programme aims to equip students with theoretical knowledge and clinical competencies required for diagnostic radiography and advanced imaging modalities. Graduates will be prepared to work in healthcare environments with a strong foundation in imaging science, patient care, safety, and professional ethics.

2. Programme Structure and Credit Value

The programme is structured over 4 years (8 semesters), consisting of core subjects, university compulsory modules, clinical placements, research components, and practical training. The total credit value is approximately 140–147 credits.

COURSE STRUCTURE BACHELOR OF MEDICAL IMAGING (HONS)

FULL TIME DURATION 4 YEARS

YEAR 1

SEMESTER 1 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Human Anatomy and Physiology I	BMI 1013	3
2	Fundamental of Physics	BMI 1023	3
3	Basic Pathology	BMI 1033	3
4	Writing for Scientific Purposes	BMI 1042	2
5	Basic Human Psychology	BMI 1053	3
6	Hubungan Etnik	MPU 3112	2
	Total		**16**
SEMESTER 2 – 9 WEEKS			
	Subject Name	**Code**	**Credit Hour**

1	Human Anatomy and Physiology II	BMI 1063	3
2	Patient Care in Radiography I	BMI 1072	2
3	Kursus Integriti Anti-Rasuah (KIAR)	MPU 3212	2
	Total		**7**
SEMESTER 3 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Radiation Physics	BMI 1083	3
2	Imaging Technique I	BMI 1093	3
3	Radiobiology and Radiation Protection	BMI 1103	3
4	Ethics and Law in Health Sciences	BMI 1112	2
5	Academic English	BMI 1123	3
6	Co-curiculum	MPU 3413	2
	Total		**16**

YEAR 2

SEMESTER 1 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Medical Imaging Instrumentation	BMI 2013	3
2	Imaging Technique II	BMI 2023	3
3	Basic Radiographic Anatomy and Image Evaluation	BMI 2033	3
4	Patient Care in Radiography II	BMI 2042	2

5	Tamadun Islam dan Tamadun Asia (TITAS)	MPU 3122	2
	Total		**13**
SEMESTER 2 – 9 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Intermediate Radiographic Anatomy and Image Evaluation	BMI 2053	3
2	Quality Assurance in Medical Imaging	BMI 2063	3
3	Social Service	BMI 3412	2
	Total		**8**
SEMESTER 3 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Research Methodology	BMI 2073	3
2	Computed Tomography	BMI 2083	3
3	Ultrasonography	BMI 2093	3
4	Comparative Imaging	BMI 2103	3
5	Constitution & Malaysian Society	MPU 3312	2
	Total		**14**

YEAR 3

SEMESTER 1 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Nuclear Imaging	BMI 3013	3
2	Digital Image Processing	BMI 3023	3

3	Magnetic Resonance Imaging	BMI 3033	3
4	Research Project I	BMI 3043	3
5	Sectional Anatomy	BMI 3053	3
	Total		**15**
SEMESTER 2 – 9 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Interventional Imaging	BMI 3063	3
2	Biostatistics	BMI 3073	3
	Total		**6**
SEMESTER 3 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Clinical Practice I	BMI 3085	5
2	Clinical Practice II	BMI 3095	5
3	Clinical Practice III	BMI 3105	5
	Total		**15**

YEAR 4

SEMESTER 1 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Healthcare Information System	BMI 4013	3
2	Evidence-Based Practice in Health Profession	BMI 4023	3
3	Healthcare Management	BMI 4032	2

4	Research Project II	BMI 4043	3
5	Radiographic Pathology	BMI 4053	3
	Total		**14**
SEMESTER 2 – 9 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Additional Radiographic Procedures	BMI 4063	3
2	Advanced Imaging Process	BMI 4073	3
3	Entrepreneurship in Medical Imaging	BMI 4082	2
	Total		**8**
SEMESTER 3 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Clinical Practice IV	BMI 4095	5
2	Clinical Practice V	BMI 4105	5
3	Clinical Practice VI	BMI 4115	5
	Total		**15**

PART TIME DURATION 5 YEARS

YEAR 1

SEMESTER 1 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Human Anatomy and Physiology I	BMI 1013	3
2	Fundamental of Physics	BMI 1023	3
3	Basic Pathology	BMI 1033	3
	Total		**9**
SEMESTER 2 – 9 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Hubungan Etnik	MPU 3112	2
2	Basic Human Psychology	BMI 1053	3
	Total		**5**
SEMESTER 3 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Writing for Scientific Purposes	BMI 1042	2
2	Human Anatomy and Physiology II	BMI 1063	3
3	Patient Care in Radiography I	BMI 1072	2
4	Kursus Integriti Anti-Rasuah (KIAR)	MPU 3212	2
	Total		**9**

YEAR 2

SEMESTER 1 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**

1	Radiation Physics	BMI 1083	3
2	Imaging Technique I	BMI 1093	3
3	Radiobiology and Radiation Protection	BMI 1103	3
	Total		**9**

SEMESTER 2 – 9 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Ethics and Law in Health Sciences	BMI 1112	2
2	Tamadun Islam dan Tamadun Asia (TITAS)	MPU 3122	2
3	Co-curiculum	MPU 3413	2
	Total		**4**

SEMESTER 3 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Academic English	BMI 1123	3
2	Medical Imaging Instrumentation	BMI 2013	3
3	Imaging Technique II	BMI 2023	3
	Total		**9**

YEAR 3

SEMESTER 1 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Basic Radiographic Anatomy and Image Evaluation	BMI 2033	3
2	Patient Care in Radiography II	BMI 2042	2

3	Social Service	BMI 3412	2
4	Intermediate Radiographic Anatomy and Image Evaluation	BMI 2053	3
	Total		**10**
SEMESTER 2 – 9 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Quality Assurance in Medical Imaging	BMI 2063	3
2	Constitution & Malaysian Society	MPU 3312	2
	Total		**5**
SEMESTER 3 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Research Methodology	BMI 2073	3
2	Computed Tomography	BMI 2083	3
3	Ultrasonography	BMI 2093	3
	Total		**9**

YEAR 4

SEMESTER 1 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Comparative Imaging	BMI 2103	3
2	Nuclear Imaging	BMI 3013	3
3	Digital Image Processing	BMI 3023	3
	Total		**9**

SEMESTER 2 –9 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Magnetic Resonance Imaging	BMI 3033	3
2	Research Project I	BMI 3043	3
	Total		**6**
SEMESTER 3 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Sectional Anatomy	BMI 3053	3
2	Interventional Imaging	BMI 3063	3
3	Biostatistics	BMI 3073	3
4	Healthcare Information System	BMI 4013	3
	Total		**12**

YEAR 5

SEMESTER 1 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Evidence-Based Practice in Health Profession	BMI 4023	3
2	Healthcare Management	BMI 4034	2
3	Research Project II	BMI 4043	3
4	Radiographic Pathology	BMI 4053	3
	Total		**11**

SEMESTER 2 – 9 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Clinical Practice I	BMI 3085	5
	Total		**5**
SEMESTER 3 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Clinical Practice II	BMI 3095	5
2	Clinical Practice III	BMI 3105	5
	Total		**10**

YEAR 6

SEMESTER 1 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Additional Radiographic Procedures	BMI 3063	3
2	Advanced Imaging Process	BMI 3073	3
3	Entrepreneurship in Medical Imaging	BMI 3082	2
	Total		**8**
SEMESTER 2 – 9 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Clinical Practice IV	BMI 3095	5
	Total		**5**
SEMESTER 3 – 17 WEEKS			
	Subject Name	**Code**	**Credit Hour**
1	Clinical Practice V	BMI 3105	5

2	Clinical Practice VI	BMI 3115	5
	Total		**10**

Semester Structure and Duration

Semester	Lecture (Week)	*'Study Weeks'* (Week)	Final Examination (Week)	Total (Week)
Long	14	1	2	17
Short	7	1	1	9

3. Course Outline and Semester Schedule

A detailed course outline and semester-by-semester subject list are provided in the Student Handbook. Each semester is 14 weeks long, with an additional 2 weeks allocated for examination and assessment. Students will follow a block system for practicals in the later semesters.

4. Learning Outcomes

Upon completion of the programme, graduates will be able to:

Programme Education Objectives (PEO)

At the end of this programme,students will be able to:

PEO1	Apply scientific and technical knowledge to perform accurate and safe medical imaging procedures across various imaging modalities in accordance with professional standards.
PEO2	Demonstrate high levels of professionalism and ethical conduct, while contributing responsibly to healthcare services and engaging with the wider community.
PEO3	Develop advanced analytic skills on imaging data, apply

	evidence-based decision-making, and solve technical and procedural problems using scientific and critical thinking approaches.
PEO4	Pursue lifelong learning, remain current with technological advancements, and drive innovation in medical imaging to improve the quality of patient care.

Learning Outcomes (PLO)

Graduates of this programme will, typically, be able to:

PLO1	Utilize fundamental medical imaging knowledge to support effective professional practices.
PLO2	Apply critical thinking and evidence-based reasoning to solve clinical problems in medical imaging.
PLO3	Execute general and specialized radiological procedures across various imaging modalities, ensuring safe and comprehensive patient care.
PLO4	Showcase social responsibility through active engagement with healthcare organizations and the broader community.
PLO5	Demonstrate effective communication skills when interacting with diverse stakeholders.
PLO6	Utilize digital technology to meet the evolving needs of medical imaging practices.
PLO7	Incorporate numerical and graphical data within medical imaging practices.
PLO8	Exhibit leadership in collaborative settings within healthcare organizations.
PLO9	Uphold strong personal values in both professional and societal contexts, fostering a culture of lifelong learning.
PLO10	Cultivate entrepreneurial skills and attitudes that enhance career development and personal growth.

PLO11	Adhere to high standards of values, ethics, and professionalism in medical imaging practices.

5. Methods of Assessment

Students will be assessed through a variety of methods, including:
- Written examinations
- Practical/clinical assessments
- Assignments and projects
- Presentations
- Research-based reports

Each subject will detail the specific assessment components and weightage in its course outline.

6. Student Acknowledgement

I hereby acknowledge that I have received a programme briefing and understood the objectives, structure, course outline, credit value, learning outcomes, and assessment methods of the Bachelor of Medical Imaging programme.

Name: _____
Matric No: _____
Date: _____
Signature: _____