

## Programme Regulations 2023/24

### Degree of Bachelor of Science with Honours in:

### Biomedical Sciences – 2+1 Provision with Newcastle University Medicine Malaysia 1213U/B941

#### Notes

- (i) *These programme regulations should be read in conjunction with the University's Taught Programme Regulations.*
- (ii) *All optional modules are offered subject to the constraints of the timetable and to any restrictions on the number of students who may be taught on a particular module. Not all modules may be offered in all years and they are listed subject to availability.*
- (iii) *Unless otherwise stated under 'Type' modules are not core.*
- (iv) *A compulsory module is a module which a student is required to study.*
- (v) *A core module is a module which a student must pass, and in which a fail mark may neither 1213U*
- (vi) *be carried nor compensated; such modules are designated by the board of studies as essential for progression to a further stage of the programme or for study in a further module.*
- (vii) *All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.*
- (viii) *Stage 1 and Stage 2 will be offered at Newcastle University Medicine Malaysia (Iskandar Puteri Campus) whilst stage 3 will only be offered at Newcastle University UK.*
- (ix) *NUMed students will be required to comply with current MoH and Malaysian Government Guidance in relation to vaccination requirements.*

## 1. Programme Structure

### 1.1 Stage 1 – Newcastle University Medicine Malaysia (Iskandar Puteri Campus)

- (a) All candidates shall take the following compulsory modules:

| Code     | Descriptive title                                   | Total Credits | Credits Sem 1 | Credits Sem 2 | Level | Type | Mode |
|----------|---|---------------|---------------|---------------|-------|------|------|
| BMN1001  | Biochemistry  | 15            | 15            |               | 4     | Core |      |
| BMN1002  | Cell Biology  | 15            | 15            |               | 4     | Core |      |
| BMN1003  | Genetics  | 15            | 15            |               | 4     | Core |      |
| BMN1011* | Professional and Practical Skills for Bioscientists | 30            | 15            | 15            | 4     | Core |      |
| BMN1005  | Microbiology and Immunology                         | 15            |               | 15            | 4     | Core |      |
| BMN1006  | Pharmacology  | 15            |               | 15            | 4     | Core |      |
| BMN1007  | Physiology  | 15            |               | 15            | 4     | Core |      |

In order to pass BMN1011 candidates must achieve an overall module mark of at least 40% and achieve at least 40% in all Semester 2 assessments.

If a candidate achieves an overall module mark which is below 40%, despite all Semester 2 assessments being passed, the candidate will fail the module and will be required to complete a resit assessment. The resit will be determined by the Board of Examiners.

If a candidate achieves an overall module mark of 40% or more but does not achieve 40% or more in all Semester 2 assessments, the candidate will fail the module and will be required to resit the failed Semester 2 assessments.

All candidates must pass the Practical Skills Test associated with the module. Opportunities to pass the assessment will be provided during Stage 1 of the programme and candidates must pass the assessment prior to progressing to Stage 2.

The University rules for compensation Taught Programme Regulations Section C25-28 (BSc) may be applied when considering the returned fail mark of 35%. **Note that all Stage 1 modules are core and therefore may not be compensated.**

## 1.2 Stage 2 - Newcastle University Medicine Malaysia (Iskandar Puteri Campus)

(a) All candidates shall take the following compulsory modules:

| <i>Code</i> | <i>Descriptive title</i>                                   | <i>Total Credits</i> | <i>Credits Sem 1</i> | <i>Credits Sem 2</i> | <i>Level</i> | <i>Type</i> | <i>Mode</i> |
|-------------|--|----------------------|----------------------|----------------------|--------------|-------------|-------------|
| BMN2000*    | Essential Biomedical Research Skills                       | 20                   | 20                   |                      | 5            | Core        |             |
| BMN2001     | Control of Eukaryotic Gene Expression                      | 10                   | 10                   |                      | 5            |             |             |
| BMN2004     | Cell and Molecular Biology of the Immune System            | 10                   | 10                   |                      | 5            |             |             |
| BMN2006     | Cell Biology and Disease                                   | 20                   | 20                   |                      | 5            |             |             |
| BMN2011     | The Nervous System and Respiratory Diseases                | 20                   |                      | 20                   | 5            |             |             |
| BMN2012     | Clinical Immunology and Viral Pathogens                    | 20                   |                      | 20                   | 5            |             |             |
| BMN2013     | Practical and Presentational Skills in Biomedical Sciences | 10                   |                      | 10                   | 5            |             |             |
| BMN2007     | Human Anatomy  | 10                   |                      | 10                   | 5            |             |             |

*\*In order to pass the core BMN2000 module candidates must achieve a mark of at least 40% and attend all compulsory practical sessions.*

### 1.3 Stage 3 – Newcastle University (UK Campus)

(a) All candidates will transfer to B941– BSc Hons Biomedical Sciences (Newcastle UK Campus)

(b) All candidates shall take the following compulsory modules in semester 2:

| Code    | Descriptive title | Total Credits | Credits Sem 1 | Credits Sem 2 | Level | Type | Mode |
|---------|-------------------|---------------|---------------|---------------|-------|------|------|
| CMB3000 | Project           | 40            |               | 40            | 6     |      |      |

| Code    | Descriptive title              | Total Credits | Credits Sem 1 | Credits Sem 2 | Level | Type | Mode |
|---------|--------------------------------|---------------|---------------|---------------|-------|------|------|
| BMS3008 | Integrated Biomedical Sciences | 10            |               | 10            | 6     |      |      |

(c) All candidates shall take one optional module from each of the following lists:

List A:

| Code    | Descriptive title                | Total Credits | Credits Sem 1 | Credits Sem 2 | Level | Type | Mode |
|---------|----------------------------------|---------------|---------------|---------------|-------|------|------|
| BMS3010 | Genetics and Human Disease       | 20            | 20            |               | 6     |      |      |
| Or      |                                  |               |               |               |       |      |      |
| BMS3021 | Immunology of Health and Disease | 20            | 20            |               | 6     |      |      |
| Or      |                                  |               |               |               |       |      |      |
| BMS3023 | Epidemiology                     | 20            | 20            |               | 6     |      |      |

List B:

| Code    | Descriptive title                     | Total Credits | Credits Sem 1 | Credits Sem 2 | Level | Type | Mode |
|---------|---------------------------------------|---------------|---------------|---------------|-------|------|------|
| BMS3012 | Cancer Biology and Therapy            | 20            | 20            |               | 6     |      |      |
| Or      |                                       |               |               |               |       |      |      |
| BMS3013 | Disorders of the Human Nervous System | 20            | 20            |               | 6     |      |      |
| Or      |                                       |               |               |               |       |      |      |
| BMS3020 | Chronic Disease                       | 20            | 20            |               | 6     |      |      |

List C:

| Code    | Descriptive title  | Total Credits | Credits Sem 1 | Credits Sem 2 | Level | Type | Mode |
|---------|--|---------------|---------------|---------------|-------|------|------|
| BMS3017 | Clinical Ageing and Health                                       | 20            | 20            |               | 6     |      |      |
| Or      |  |               |               |               |       |      |      |
| BGM3039 | Medical Biotechnology  | 20            | 20            |               | 6     |      |      |
| Or      |  |               |               |               |       |      |      |
| MIC3046 | Microbiota and pathogens: Mucosal Microbiota, Protozoa and Fungi | 20            | 20            |               | 6     |      |      |

(d) All candidates shall take one optional module from the following list:

| <i>Code</i> | <i>Descriptive title</i>                 | <i>Total Credits</i> | <i>Credits Sem 1</i> | <i>Credits Sem 2</i> | <i>Level</i> | <i>Type</i> | <i>Mode</i> |
|-------------|--|----------------------|----------------------|----------------------|--------------|-------------|-------------|
| BMS3007     | Research in Biomedical Sciences          | 10                   | 10                   |                      | 6            |             |             |
| BMS3003     | Business Enterprise for the Bioscientist | 10                   | 10                   |                      | 6            |             |             |
| BMS3015     | Healthcare Organisation and Practice     | 10                   | 10                   |                      | 6            |             |             |
| BMS3016     | Science Communication                    | 10                   | 10                   |                      | 6            |             |             |
| BMS3022     | Bioethics                                | 10                   | 10                   |                      | 6            |             |             |
| BMS3025     | Bioinformatics                           | 10                   | 10                   |                      | 6            |             |             |

## 2. Assessment Methods

Details of the assessment pattern for each module are explained in the module outline.

## 3. Degree classification

- (a) BSc candidates will be assessed for degree classification on the basis of all the modules taken at Stages 2 and 3 with the weighting of the stages being 1:2 for Stage 2 and Stage 3 respectively.
- (b) Exit velocity will not be used: the stages are already weighted (1:2 for BSc degrees).
- (c) Performance in individual modules will not be used for promotion.
- (d) A BSc candidate will be promoted if their final weighted average lies within 1% of the borderline (after rounding) **AND** 50% or more of the module credits are in the higher degree class(es) at **both** Stage 2 and Stage 3, with no more than 40 module credits in classes two or more below the proposed final class.
- (e) In accordance with university regulations, a BSc candidate with a weighted average up to 2% below a classification borderline will be **considered** (with any special circumstances being noted) by the Board for promotion to the higher degree classification by use of discretion. Note however that a requirement to *consider* using discretion is not a requirement to use discretion.