

## 5.0 MAJOR PROGRAMMES

### 5.1 AUDIOLOGY

#### Introduction

This programme is designed to produce audiologists who are knowledgeable and able to practice in the field of audiology to fulfill the needs of public and private sectors. Graduates will be awarded the Bachelor of Health Science (Audiology). This 4-year (8 semesters) programme includes the theoretical and practical (clinical) learning experience through our Core University and Elective courses to equip the students to be competent practicing audiologists. Thus, students will acquire the necessary academic qualification and clinical skills to become a professional audiologist and play their role as part of the health care team.

#### List of Courses of the Audiology Programme

| No. | Course Code | Title of Core Courses in the Audiology Programme  | Unit |
|-----|-------------|---|------|
| 1.  | GTU101/3    | Structure and Function of Human I                 | 3    |
| 2.  | GTP100/3    | Basic Linguistics                                 | 3    |
| 3.  | GTP107/3    | Language Development                              | 3    |
| 4.  | GTA105/2    | Acoustics for Hearing and Speech                  | 2    |
| 5.  | GTA106/2    | Anatomy and Physiology for Hearing and Speech I   | 2    |
| 6.  | GTU104/3    | Structure and Function of Human II                | 3    |
| 7.  | GTP104/3    | Developmental Psychology for Speech and Hearing   | 3    |
| 8.  | GTP108/2    | Clinical Bases for Audiology and Speech Pathology | 2    |
| 9.  | GTA107/2    | Psychoacoustics                                   | 2    |
| 10. | GTA108/2    | Basic Audiology Techniques                        | 2    |
| 11. | GTA109/2    | Anatomy and Physiology for Hearing and Speech II  | 2    |
| 12. | GTP202/3    | Introduction to Speech and Language Disorders     | 3    |
| 13. | GTP209/2    | Phonetics and Phonology                           | 2    |
| 14. | GTP211/3    | Pediatric for Hearing and Speech                  | 3    |
| 15. | GTP212/2    | Abnormal Psychology                               | 2    |
| 16. | GTA201/2    | Audiological Instrumentation                      | 2    |
| 17. | GTA203/3    | Advanced Audiology Techniques                     | 3    |
| 18. | GTA205/2    | Neurology for Hearing and Speech                  | 2    |
| 19. | GTA208/4    | Pediatric Audiology                               | 4    |
| 20. | GTA209/3    | Audiology Clinic I                                | 3    |
| 21. | GTA210/3    | Otology   | 3    |
| 22. | GTA211/2    | Hearing Screening                                 | 2    |
| 23. | GTA212/3    | Basic Hearing Amplification Technology            | 3    |
| 24. | GTA213/3    | Electrophysiological Tests                        | 3    |
| 25. | GTP311/3    | Counseling for Communication Disorders            | 3    |
| 26. | GTA305/3    | Advanced Hearing Amplification Technology         | 3    |
| 27. | GTA307/3    | Audiology Clinic II                               | 3    |
| 28. | GTA308/2    | Evaluation of Balance System                      | 2    |

| No.                               | Course Code | Title of Core Courses in the Audiology Programme                | Unit       |
|-----------------------------------|-------------|---|------------|
| 29.                               | GTU302/3    | Biostatistics   | 3          |
| 30.                               | GTU304/3    | Research Methodology  | 3          |
| 31.                               | GTP316/3    | Learning Disabilities   | 3          |
| 32.                               | GTA309/4    | Audiology Clinic III  | 4          |
| 33.                               | GTA310/2    | Basic Medical Management for Audiologist and Speech Pathologist | 2          |
| 34.                               | GTA311/4    | Audiological Rehabilitation                                     | 4          |
| 35.                               | GTA401/6    | Research Project  | 6          |
| 36.                               | GTA406/2    | Noise and Hearing   | 2          |
| 37.                               | GTA407/5    | Audiology Clinic IV   | 5          |
| 38.                               | GTA408/6    | Audiology Clinical Placement                                    | 6          |
| 39.                               | GTA409/2    | Audiology Seminar   | 2          |
| 40.                               | GTA410/2    | Ethics and Professionalism in Audiology                         | 2          |
| 41.                               | GTA411/5    | Audiology Clinic V  | 5          |
| 42.                               | GTA412/2    | Practice Management for Audiologist and Speech Pathologist      | 2          |
| <b>Total Unit of Core Courses</b> |             |   | <b>122</b> |

**Programme Learning Outcome:**

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

- PO1: Demonstrate fundamental and advanced theoretically and clinically knowledge in the field of audiological sciences.
- PO2: Demonstrate technical and practical skills in diagnosis and re/habilitative audiology.
- PO3: Display critical and scientific thinking in integrating the audiological knowledge in assessment, interpretation, management, and re/habilitation aspects of hearing, balance and related disorders.
- PO4: Demonstrate communication skills in dealing with patients, family members and health-related professionals and other related working environments.
- PO5: Participate effectively in multi-disciplinary teams in managing patients with hearing and balance disorders.
- PO6: Adhere to professional codes of conducts and ethical standards and demonstrate sensitivity to the differences in culture and religion.
- PO7: Apply lifelong education and ICT skills to enhance clinical services and research in audiology.
- PO8: Display entrepreneurship skills in audiology-related fields and practice systemic management in clinical audiology.
- PO9: Demonstrate and apply leadership skills through active involvement in patient management and health-related professions.

**Recommended Registration Guidelines for the Courses of the Audiology Programme**

| <b>Code</b>              | <b>Courses</b>                                  | <b>Unit</b> | <b>Code</b>              | <b>Courses</b>                                    | <b>Unit</b> |
|--------------------------|---|-------------|--------------------------|---|-------------|
| <b>Year 1 Semester 1</b> |   |             | <b>Year 1 Semester 2</b> |   |             |
| LKM400/2                 | Bahasa Malaysia                                 | 2           | WUS101/2                 | Entrepreneurship                                  | 2           |
| LSP300/2                 | Academic English                                | 2           | GEG203/2                 | Health Economics                                  | 2           |
| WSCxxx/1                 | Co-Curriculum                                   | 1           | WSCxxx/1                 | Co-Curriculum                                     | 1           |
| GTU101/3                 | Structure and Function of Human I               | 3           | GTU104/3                 | Structure and Function of Human II                | 3           |
| GTU103/3                 | Fundamental of Health Informatics               | 3           | GTP104/3                 | Developmental Psychology for Speech and Hearing   | 3           |
| GTP100/3                 | Basic Linguistics                               | 3           | GTP108/2                 | Clinical Bases for Audiology and Speech Pathology | 2           |
| GTP107/3                 | Language Development                            | 3           | GTA107/2                 | Psychoacoustics                                   | 2           |
| GTA105/2                 | Acoustics for Hearing and Speech                | 2           | GTA108/2                 | Basic Audiology Techniques                        | 2           |
| GTA106/2                 | Anatomy and Physiology for Hearing and Speech I | 2           | GTA109/2                 | Anatomy and Physiology for Hearing and Speech II  | 2           |
|                          |   | <b>21</b>   |                          |   | <b>19</b>   |

**Recommended Registration Guidelines for the Courses of the Audiology Programme**

| <b>Code</b>              | <b>Courses</b>                                | <b>Unit</b> | <b>Code</b>              | <b>Courses</b>                         | <b>Unit</b> |
|--------------------------|---|-------------|--------------------------|--|-------------|
| <b>Year 2 Semester 1</b> |   |             | <b>Year 2 Semester 2</b> |  |             |
| HTU223/2                 | TITAS   | 2           | LSP402/2                 | Scientific and Medical English         | 2           |
| SHE101/2                 | Ethnic Relations                              | 2           | Wxxxxx/1                 | Co-Curriculum                          | 1           |
| GTP202/3                 | Introduction to Speech and Language Disorders | 3           | GTA208/4                 | Pediatric Audiology                    | 4           |
| GTP209/2                 | Phonetics and Phonology                       | 2           | GTA209/3                 | Audiology Clinic I                     | 3           |
| GTP211/3                 | Pediatric for Hearing and Speech              | 3           | GTA210/3                 | Otology                                | 3           |
| GTP212/2                 | Abnormal Psychology                           | 2           | GTA211/2                 | Hearing Screening                      | 2           |
| GTA201/2                 | Audiological Instrumentation                  | 2           | GTA212/3                 | Basic Hearing Amplification Techniques | 3           |
| GTA203/3                 | Advanced Audiology Techniques                 | 3           | GTA213/2                 | Electrophysiological Tests             | 3           |
| GTA205/2                 | Neurology for Hearing and Speech              | 2           |                          |  |             |
|                          |   | <b>21</b>   |                          |  | <b>21</b>   |

**Recommended Registration Guidelines for the Courses of the Audiology Programme**

| <b>Code</b>              | <b>Courses</b>                              | <b>Unit</b> | <b>Code</b>              | <b>Courses</b>  | <b>Unit</b> |
|--------------------------|---|-------------|--------------------------|---|-------------|
| <b>Year 3 Semester 1</b> |   |             | <b>Year 3 Semester 2</b> |   |             |
| GTA308/2                 | Evaluation of Balance System                | 2           | GTU302/3                 | Biostatistics   | 3           |
| GTU301/3                 | Ethics and Law for the Health Professionals | 3           | GTU304/3                 | Research Methodology  | 3           |
| GTP311/3                 | Counselling for Communication Disorders     | 3           | GTP316/3                 | Learning Disabilities   | 3           |
| GTJ217/2                 | Principles of Health Management             | 2           | GTA309/4                 | Audiology Clinic III  | 4           |
| GTA305/3                 | Advanced Hearing Amplification Technology   | 3           | GTA310/2                 | Basic Medical Management for Audiologist and Speech Pathologist | 2           |
| GTA307/3                 | Audiology Clinic II                         | 3           | GTA311/4                 | Audiological Rehabilitation                                     | 4           |
|                          |   | <b>16</b>   |                          |   | <b>19</b>   |
| <b>Code</b>              | <b>Courses</b>                              | <b>Unit</b> | <b>Code</b>              | <b>Courses</b>  | <b>Unit</b> |
| <b>Year 4 Semester 1</b> |   |             | <b>Year 4 Semester 2</b> |   |             |
| GTA401/6                 | Research Project                            | 3           | GTA401/6                 | Research Project  | 3           |
| GTA406/2                 | Noise and Hearing                           | 2           | GTA410/2                 | Ethics and Professionalism in Audiology                         | 2           |
| GTA407/5                 | Audiology Clinic IV                         | 5           | GTA411/5                 | Audiology Clinic V  | 5           |
| GTA408/6                 | Audiology Clinical Placement                | 6           | GTA412/2                 | Practice Management for Audiologist and Speech Pathologist      | 2           |
| GTA409/2                 | Audiology Seminar                           | 2           |                          |   |             |
|                          |   | <b>18</b>   |                          |   | <b>12</b>   |