**Field of Study: Nutrition Science**

**Program: Bachelor of Science**

First Semester

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Prequisite/s | No of Practical Credit | No of Theory  Credit | No of Credits | Course | Course Code |
| - | - | 3 | 3 | Persian Literature |  |
| - | - | 2 | 2 | Islamic Thought 1 | 011 |
| - | 1 | - | 1 | Physical Education 1 |  |
| - | - | 3 | 3 | English Language |  |
| - | - | 3 | 3 | Physiology | 03 |
| - | 2 | 2 | 4 | Basic Biochemistry | 02 |
| - | - | 2 | 2 | Fundamentals of Psychology | 06 |
| - | - | 0.5 | 0.5 | Life Skills |  |
| - | - | 2 | 2 | Islamic Scriptures |  |
| - | - | 0.5 | 0.5 | Educational provisions |  |

Second Semester

|  |  |  |  |  |  |
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| Prequisite/s | No of Practical Credit | No of Theory  Credit | No of Credits | Course | Course Code |
| - | - | 1 | 1 | Anatomy | 04 |
| - | - | 2 | 2 | Biostatistics | 05 |
| - | 1 | 2 | 3 | General Microbiology | 04 |
| - | 1 | 1 | 2 | Parasitology | 11 |
| - | - | 2 | 2 | Medical Sociology | 07 |
| 02 | 1 | 3 | 4 | Biochemistry Metabolism | 12 |
| - | - | 2 | 2 | Islamic Thoughts 2 | 012 |
| - | - | 2 | 2 | Methods of Study and Learning | 01 |
| - | - | 2 | 2 | History of Islamic Civilization | 041 |

Third Semester

|  |  |  |  |  |  |
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| Prequisite/s | No of Practical Credit | No of Theory  Credit | No of Credits | Course | Course Code |
| 05 | - | 2 | 2 | Epidemiology of Diseases | 08 |
| 12 | - | 3 | 3 | Basic Nutrition 1 (Macronutrients) | 18 |
| 10,11 | 1 | 2 | 3 | Food Microbiology | 14 |
| - | - | 2 | 2 | Family and Population Knowledge |  |
| - | - | 2 | 2 | Islamic Ethics | 022 |
|  | - | 2 | 2 | (Nutrition) Specialize Language | 21 |
| 12 | - | 3 | 3 | Basic Nutrition 2  (Micronutrients) | 14 |
| - | 1 | - | 1 | Physical Education 2 |  |
| 02,12 | - | 1 | 1 | Fundamentals of Immunology | 23 |

Fourth Semester

|  |  |  |  |  |  |
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| Prequisite/s | No of Practical Credit | No of Theory  Credit | No of Credits | Course | Course Code |
| 08 |  |  |  | Public Health | 04 |
| 12 | - | 2 | 2 | Pharmacology | 24 |
| 07 | - | 2 | 2 | Ecology of Food and Nutrition | 27 |
| 06,07,18,19 | - | 2 | 2 | Food Services Systems Management | 25 |
| 03,18,19 | - | 2 | 2 | Nutritional Physiology | 20 |
| 02 | 1 | 2 | 3 | Food Biochemistry | 16 |
| 21 | - | 1 | 1 | Medical Terminology | 34 |
| - | - | 2 | 2 | Analytical History of Islam | 042 |
| 18,19 | - | 1 | 1 | Basics of Meal Planning | 22 |
| 05 | 1 | - | 1 | Computer Application in Nutrition | 26 |
| - | - | 2 | 2 | Islamic Revolution and its Roots | 031 |

Fifth Semester

|  |  |  |  |  |  |
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| Prequisite/s | No of Practical Credit | No of Theory  Credit | No of Credits | Course | Course Code |
| 09,10 | - | 2 | 2 | Food Sanitation and Toxicology | 13 |
| 09,10 | - | 2 | 2 | Fundamentals and Methods of Food Preservation | 15 |
| 20,22,28 | - | 3 | 3 | Diet Therapy 1 | 37 |
| 08,18,19 | 1 | 2 | 3 | Nutritional Assessment | 33 |
| 03 | - | 2 | 2 | Pathophysiology | 28 |
| 08,20 | - | 2 | 2 | Malnutrition- Related Disorders | 36 |
| 20,22 | - | 2 | 2 | Nutrition Through Life Periods | 24 |

Sixth Semester

|  |  |  |  |  |  |
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| Prequisite/s | No of Practical Credit | No of Theory  Credit | No of Credits | Course | Course Code |
| 09 | - | 2 | 2 | Nutrition Services in The Health Care System | 31 |
| 07 | - | 2 | 2 | Principles of Nutrition Planning and Management | 32 |
| 20,22 | - | 2 | 2 | Nutrition in Groups and Special Conditions | 30 |
| 06,29 | 1 | 1 | 2 | Principles of Nutrition Education and Counseling | 35 |
| 37 | - | 3 | 3 | Diet Therapy 2 | 38 |
| 05,08,33 | - | 2 | 2 | Research Methods in Health Science | 34 |
| 15,16 | - | 2 | 2 | Effect of Process on Nutritional Value | 17 |

Summer Semester

|  |  |  |  |  |  |
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| Prequisite/s | No of Practical Credit | No of Theory  Credit | No of Credits | Course | Course Code |
| - | 3 | - | 3 | Apprenticeship of Food Industry | 42 |

Seventh Semester

|  |  |  |  |  |  |
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| Prequisite/s | No of Practical Credit | No of Theory  Credit | No of Credits | Course | Course Code |
|  | - | 2 | 2 | Project | 41 |
| All Courses | 9 | - | 9 | Nutrition Apprenticeship in Hospital (Experience in Medical Nutrition Therapy) | 44 |

Eighth Semester

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| Prequisite/s | No of Practical Credit | No of Theory  Credit | No of Credits | Course | Course Code |
| - | - | 2 | 2 | Nutrition Seminar | 40 |
| All Courses | 6 | - | 6 | Apprenticeship training in Primary Health Care | 43 |