**Maulana Abul Kalam Azad University of Technology, West Bengal**
**(Formerly known as West Bengal University of Technology)**
**Syllabus of B.Sc. ( Dietetics and Nutrition)**
**Effective from academic session 2023-2024**

**FYUP-CCF [ B.Sc. in Dietetics & Nutrition], MAKAUT**

| Sem | Major (Offline) | Minor (Blended Mode) (Management) | Inter Disciplinary (Offline) | Ability Enhancement (Offline) | Skill Enhancement (Online /Sessional) | Common Value added Course (SESSIONAL) | Total credits |
|---|---|---|---|---|---|---|---|
| I | Basics of Nutrition [FYBDN 101] (3) Basics of Nutrition (FYBDN 191) (2) Principles of Food Microbiology [FYBDN 102] (3) Principles of Food Microbiology [FYBDN 192] (2) | M01: Computer Fundamental | Any one from GE baskets Basket A or D (3 credits) | English and Professional Communication | Life Skills & Personality Development (2 credits) | Yoga/ Health & Wellness/ Sports (2 credits) | 22 |
| II | Basic Chemistry [FYBDN201] (3) Basic Chemistry [FYBDN 291] (2) Food Science [FYBDN 202] (3) Food Science [FYBDN 292] (2) | M02: Management Information System | Any one from GE baskets Basket B or E (3 credits) | Modern Indian Languages and Literature (2 credits) | IT Skills (2 credits) | Critical Thinking / NSS/ Mental Health/ Environmental Studies (2 credits) | 22 |

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| III | Human Physiology- I [FYBDN 301] (3) Human Physiology- I [FYBDN 391] (2) Biochemistry-I [FYBDN 302] (3) Biochemistry-I [FYBDN 392] (2) | M03: Word and PowerPoint & Spreadsheet Application with Excel / R programming & Data Analytics | Any one from GE baskets Basket C or F(3 credits) | The Constitution, Human Rights and Law  (2 credits) | Understanding basics of  Cyber Security (2 credits) | | **21** |
| IV | Human Physiology-II [FYBDN 401] (2) Human Physiology-II [FYBDN 491] (2) Biochemistry II [FYBDN 402] (2) Biochemistry II [FYBDN 492] (2) Public Health [FYBDN 403] (3) Public Health [FYBDN 493] (2) | M04: Basics of Operating System / Database Management System with SQL /PHP Programming & Web Development  M05: Graphic Design with Photoshop and Illustrator/ Unix And Shell Programming/ Advanced Excel & Data Analytics | | Society Culture and Human Behavior (2 credits) | | | **23** |
| V | Nutrition & Life Cycle [FYBDN 501] (3) Nutrition & Life Cycle [FYBDN 591] (2) Diet Therapy I [FYBDN 502] (3) Diet Therapy I [FYBDN 592] (2) | M06: Cloud Computing/ Introduction to Computer Networks /  M07:E-commerce and Application | | | **Internship** [Code: FYBFDI581] (4 credits) | | **22** |

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| VI | Diet Therapy II [FYBDN 601] (3)<br>Diet Therapy II [FYBDN 691] (2)<br>Food Safety and Quality control [FYBDN 602] (3)<br>Food Safety and Quality control [FYBDN 692] (2)<br>Sports Nutrition [FYBDN 603] (4) | M08: Web Development with HTML and CSS/ Data Mining & Data Warehousing<br>M09: Internet and Network / ERP | | | | | **22** |
| VII | Nutritional management and diet counselling [FYBDN 701] (3+1)<br>Research Methodology I [FYBDN 702] (4+1)<br>Geriatric Nutrition [FYBDN (T) 703] (3)<br>Geriatric Nutrition [FYBDN 793] (2) | M10: Software Project Management / Introduction to Cyber Security and Cyber Laws/ Machine Learning with Python<br>M11: Digital Marketing / Data Analysis and Interpretation/ Data Analysis & Reporting using SAS | | | | | **22** |
| VIII | Research Methodology II [FYBDN 801] (4+1)<br>OR any one from Elective Basket<br>[FYBDN 802] (4+1)<br>Functional Foods and Nutraceutical<br>ELECTIVE BASKET | | | | **Capstone**<br>[Code FYBDN 881A]<br>OR<br>**Research project**<br>[Code FYBDN 881B]<br>    12 credits | | **22** |

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| | [FYBDN 802 A]<br>Nutrigenomics [FYBDN 802 B]<br>Medical Nutrition Therapy [FYBDN 802 C]<br>Nutrition Communication and its application [FYBDN 802 D] | | | | | |
| | **19 sub - 91 credits** | **11 sub – 42 credits** | **3 sub – 09 credits** | **4 sub – 08 credits** | **3 sub & Int & Proj - 22 credits** | **2 sub – 4 credits** | **176** |