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

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	[FYBDN 802 A] Nutrigenomics [FYBDN 802 B] Medical Nutrition Therapy [FYBDN 802 C] 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**