



BRAINWARE UNIVERSITY
SCHOOL OF MEDICAL & ALLIED HEALTH SCIENCES
DEPARTMENT OF FOOD & NUTRITION
BACHELOR OF SCIENCE in FOOD NUTRITION & DIETETICS /
BACHELOR OF SCIENCE (HONOURS) in FOOD NUTRITION & DIETETICS - 2023

SEMESTER – I

| Sl. No. | Course Code | Course | L | T | P | Evaluation Scheme | | Total | Credits | Course Type |
|--------------|-------------|-------------------------------|-----------|----------|----------|-------------------|------------|------------|-----------|-------------|
| | | | | | | CIE | ESE | | | |
| 1 | BFD10101 | Food Science | 3 | 0 | 0 | 40 | 60 | 100 | 3 | Major |
| 2 | BFD19102 | Food Science Lab | 0 | 0 | 2 | 40 | 60 | 100 | 1 | Major |
| 3 | BFD10103 | Human Physiology I | 3 | 0 | 0 | 40 | 60 | 100 | 3 | Major |
| 4 | BFD19104 | Human Physiology I Lab | 0 | 0 | 2 | 40 | 60 | 100 | 1 | Major |
| 5 | BFD10001 | Holistic Health and Happiness | 3 | 0 | 0 | 40 | 60 | 100 | 3 | IC |
| 6 | AEC00005 | Functional English | 2 | 0 | 0 | 40 | 60 | 100 | 2 | AEC |
| 7 | BEN10002 | Soft Skills | 3 | 0 | 0 | 40 | 60 | 100 | 3 | SEC |
| 8 | VAC00006 | Environmental Studies | 2 | 0 | 0 | 40 | 60 | 100 | 2 | VAC |
| 9 | VAC09016 | Yoga | 0 | 0 | 4 | 40 | 60 | 100 | 2 | VAC |
| TOTAL | | | 16 | 0 | 8 | 360 | 540 | 900 | 20 | |

SEMESTER – II

| Sl. No. | Course Code | Course | L | T | P | Evaluation Scheme | | Total | Credits | Course Type |
|--------------|-------------|-------------------------------|-----------|----------|----------|-------------------|------------|------------|-----------|-------------|
| | | | | | | CIE | ESE | | | |
| 1 | BFD20105 | Human Physiology II | 3 | 0 | 0 | 40 | 60 | 100 | 3 | Major |
| 2 | BFD29106 | Human Physiology II Lab | 0 | 0 | 2 | 40 | 60 | 100 | 1 | Major |
| 3 | BFD20107 | Nutrition through Life Span | 4 | 0 | 0 | 40 | 60 | 100 | 4 | Major |
| 4 | BFD20001 | General Microbiology | 3 | 0 | 0 | 40 | 60 | 100 | 3 | IC |
| 5 | AEC00002 | Communicative English | 2 | 0 | 0 | 40 | 60 | 100 | 2 | AEC |
| 6 | BFD20002 | Mushroom Cultivation | 3 | 0 | 0 | 40 | 60 | 100 | 3 | SEC |
| 7 | VAC00007 | Human Value and Ethics | 2 | 0 | 0 | 40 | 60 | 100 | 2 | VAC |
| 8 | VAC00005 | Digitalization and its Impact | 2 | 0 | 0 | 40 | 60 | 100 | 2 | VAC |
| TOTAL | | | 19 | 0 | 2 | 320 | 480 | 800 | 20 | |



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SEMESTER – III

| Sl. No. | Course Code | Course | L | T | P | Evaluation Scheme | | Total | Credits | Course Type |
|--------------|-------------|----------------------------------|-----------|----------|-----------|-------------------|------------|------------|-----------|-------------|
| | | | | | | CIE | ESE | | | |
| 1 | BFD30108 | Food Commodities | 4 | 0 | 0 | 40 | 60 | 100 | 4 | Major |
| 2 | BFD39109 | Food Commodities Lab | 0 | 0 | 4 | 40 | 60 | 100 | 2 | Major |
| 3 | BFD30110 | Nutritional Biochemistry- I | 4 | 0 | 0 | 40 | 60 | 100 | 4 | Major |
| 4 | BFD39111 | Nutritional Biochemistry – I Lab | 0 | 0 | 4 | 40 | 60 | 100 | 2 | Major |
| 5 | BFD30001 | Indian Health Sciences | 3 | 0 | 0 | 40 | 60 | 100 | 3 | IC |
| 6 | AEC09001 | Communicative English Lab | 0 | 0 | 4 | 40 | 60 | 100 | 2 | AEC |
| 7 | BFD30002 | Human Development | 3 | 0 | 0 | 40 | 60 | 100 | 3 | SEC |
| TOTAL | | | 14 | 0 | 12 | 280 | 420 | 700 | 20 | |

SEMESTER – IV

| Sl. No. | Course Code | Course | L | T | P | Evaluation Scheme | | TOTAL | CREDITS | COURSE TYPE |
|--------------|-------------|--|-----------|----------|----------|-------------------|------------|------------|-----------|-------------|
| | | | | | | CIE | ESE | | | |
| 1 | BFD47112 | Therapeutic Nutrition | 2 | 0 | 4 | 40 | 60 | 100 | 4 | Major |
| 2 | BFD47113 | Nutritional Biochemistry- II | 3 | 0 | 2 | 40 | 60 | 100 | 4 | Major |
| 3 | BFD40114 | Functional Food and Nutraceuticals | 2 | 0 | 0 | 40 | 60 | 100 | 2 | Major |
| 4 | BFD40201 | Indian agriculture | 4 | 0 | 0 | 40 | 60 | 100 | 4 | Minor |
| 5 | BFD40202 | Childhood Disability and Social Action | 4 | 0 | 0 | 40 | 60 | 100 | 4 | Minor |
| 6 | AEC00006 | Modern Indian Language A. Hindi B. Bengali C. Alternative English | 2 | 0 | 0 | 40 | 60 | 100 | 2 | AEC |
| TOTAL | | | 17 | 0 | 6 | 240 | 360 | 600 | 20 | |



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SEMESTER – V

| Sl. No. | Course Code | Course | L | T | P | Evaluation Scheme | | Total | Credits | Course Type |
|--------------|-------------|--------------------------------------|-----------|----------|----------|-------------------|------------|------------|-----------|-------------|
| | | | | | | CIE | ESE | | | |
| 1 | BFD57115 | Nutrition Therapy | 2 | 0 | 4 | 40 | 60 | 100 | 4 | Major |
| 2 | BFD57116 | Community Nutrition | 2 | 0 | 4 | 40 | 60 | 100 | 4 | Major |
| 3 | BFD50117 | Nutrition in Critical Care | 2 | 0 | 0 | 40 | 60 | 100 | 2 | Major |
| 4 | BFD50203 | Sports Nutrition | 4 | 0 | 0 | 40 | 60 | 100 | 4 | Minor |
| 5 | BFD50204 | Human Behavior and Family Management | 4 | 0 | 0 | 40 | 60 | 100 | 4 | Minor |
| 6 | BFD58001 | Internship/Project | 0 | 0 | 0 | 40 | 60 | 100 | 2 | IAPC |
| TOTAL | | | 14 | 0 | 8 | 240 | 360 | 600 | 20 | |

SEMESTER – VI

| Sl. No. | Course Code | Course | L | T | P | Evaluation Scheme | | Total | Credits | Course Type |
|--------------|-------------|---|-----------|----------|----------|-------------------|------------|------------|-----------|-------------|
| | | | | | | CIE | ESE | | | |
| 1 | BFD67118 | Food Processing, Preservation and Quality Control | 4 | 0 | 4 | 40 | 60 | 100 | 6 | Major |
| 2 | BFD67119 | Public Health | 4 | 0 | 4 | 40 | 60 | 100 | 6 | Major |
| 3 | BFD60205 | Dietetic Education on Diabetes | 4 | 0 | 0 | 40 | 60 | 100 | 4 | Minor |
| 4 | BFD60206 | Food Service Management | 4 | 0 | 0 | 40 | 60 | 100 | 4 | Minor |
| TOTAL | | | 16 | 0 | 8 | 160 | 240 | 400 | 20 | |



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SEMESTER – VII (Honours)

| Sl. No. | Course Code | Course | L | T | P | Evaluation Scheme | | Total | Credits | Course Type |
|--------------|-------------|---|-----------|----------|----------|-------------------|------------|------------|-----------|-------------|
| | | | | | | CIE | ESE | | | |
| 1 | BFD77120 | Food Microbiology | 4 | 0 | 4 | 40 | 60 | 100 | 6 | Major |
| 2 | BFD70121 | Spices, Condiments and their Health Effects | 2 | 0 | 0 | 40 | 60 | 100 | 2 | Major |
| 3 | BFD70122 | Dietetic Education on Oncology | 4 | 0 | 0 | 40 | 60 | 100 | 4 | Major |
| 4 | BFD77123 | Product Development and Sensory Evaluation | 2 | 0 | 4 | 40 | 60 | 100 | 4 | Major |
| 5 | BFD70207 | Pediatric Nutrition | 4 | 0 | 0 | 40 | 60 | 100 | 4 | Minor |
| TOTAL | | | 16 | 0 | 8 | 200 | 300 | 500 | 20 | |

SEMESTER – VIII (Honours)

| Sl. No. | Course Code | Course | L | T | P | Evaluation Scheme | | Total | Credits | Course Type |
|--------------|-------------|---|-----------|----------|----------|-------------------|------------|------------|-----------|-------------|
| | | | | | | CIE | ESE | | | |
| 1 | BFD87124H | Dairy Technology | 4 | 0 | 4 | 40 | 60 | 100 | 6 | Major |
| 2 | BFD80125H | Food Laws, Standards and Food Audits | 2 | 0 | 0 | 40 | 60 | 100 | 2 | Major |
| 3 | BFD80126H | Community Extension Education | 4 | 0 | 0 | 40 | 60 | 100 | 4 | Major |
| 4 | BFD80127H | Diet Counselling and Patient Care | 4 | 0 | 0 | 40 | 60 | 100 | 4 | Major |
| 5 | BFD80208H | Inborn Error of Metabolism and their Dietary Management | 4 | 0 | 0 | 40 | 60 | 100 | 4 | Minor |
| TOTAL | | | 18 | 0 | 4 | 200 | 300 | 500 | 20 | |