



BHARATHIDASAN UNIVERSITY

TIRUCHIRAPPALLI – 620 024

M. Phil. Food Service Management & Dietetics (FT / PT) Programme

(For the candidates admitted from the academic year 2009-2010 onwards)

Semester I	Title of the Course	Marks			Credits
		IA	UE	Total	
Course -I	Research Methodology	40	60	100	4
Course - II	Food Service Management & Dietetics	40	60	100	4
Course- III	Paper on Topic of Research. (Guide will prepare the syllabus and it will be sent to the COE)	40	60	100	4
Course – IV	Teaching and Learning skills (Common Paper)	40	60	100	4
Semester II					
	Dissertation and Viva-Voce	200			8
	Viva Voce 50 marks				
	Dissertation 150 marks				

For each Course other than the Dissertation

Continuous Internal Assessment	– 40 Marks
End Semester Examination	– 60 Marks
Total	– 100 Marks

Question paper pattern for Course I - III

10 questions compulsory	10 x 01 = 10 Marks (2 from each unit)
5 questions	05 x 04 = 20 Marks (either or type, one from each unit)
3 questions from 5	03 x 10 = 30 Marks (one question from each unit)
Total	60 Marks

Question paper pattern for Course IV

5 Questions	05 x 12 = 60 Marks (either or type, one from each unit)
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CIA components

Tests (2x10)-	20 Marks
Term Paper –	10 Marks
Seminar -	10 Marks

COURSE– I - RESEARCH METHODOLOGY

Unit I – Fundamental Concepts:

- 1.1. Research problem – Definition, identification – statement of research problems – criteria for selection – Survey of Literature.
- 1.2 Variables – Meaning and identification in relation to the research problem – Independent, Dependent, Control and intervening variables.
- 1.3 Hypothesis – Meaning and importance - Types of Hypothesis.

Unit II – Research Tools:

- 1.1. Questionnaire, Interview, Schedule, Observation and Experimentation.
- 1.2. Scaling Techniques – Different types – Nominal, Ordinal, Interval and ratio – attitude Scales – Rating scales, check list.
- 1.3. Characteristics of Tools – Reliability and Validity.

Unit III – Research Design / Proposal:

- 1.1. Meaning and purpose of a design / proposal
- 1.2. Steps in Designing – Statement of the problem, Objectives – Hypothesis, identification of the variables – Selection of samples and the tools – plan of analysis – Time, Budget, Cost Resources, Personnel etc.

Unit IV – Data Analysis:

- 1.1. Measures of central tendency, dispersion, Bivariate analysis – Correlation and regression – Pearson's Product moment correlation coefficient by ranks, bi-serial correlation – Regression lines.
- 1.2. Multiple and partial correlation – concepts only.

Unit V – Interpretation and Data Processing

(A)

- 1.1 Normal Probability Distribution and its uses.
- 1.2 Parametric tests – Large and small samples
- 1.3 Non-Parametric tests.
- 1.4 Analysis of Variance – one way and two way classifications

(B)

- 1.1. Introduction to Computers
- 1.2. Computer methods applicable to Research
- 1.3. Processing of Data-Input / Output
- 1.4. Computer Generations

Reference:

1. Kothari. C.R. Research Methodology – Methods and Techniques, New age International, 2003
2. Gupta, S.P. Statistical Methods, 29th revised edition, Sultan chand and sons, New Delhi, 2000.

COURSE II – FOOD SERVICE MANAGEMENT & DIETETICS**Objectives:**

To enable students

1. gain knowledge about the principles and functions of management
2. develop skills in organizing and establishing food service institutions
3. understand the role of dietician in diet counseling
4. gain knowledge about the principles of diets, principles of diet therapy and different therapeutic diets.

Unit I

Food service management and therapeutic nutrition – origin, profile, scope. Role in national and international scenario. Types of food service establishments, kinds of food service systems, organizational and management – principles, scope, tools of management, management process and managerial problems

Modern techniques of assessing need, identification and allocation of resources – finance, machinery, material and manpower infrastructure – financial management – food cost control, books of accounts, budgetary and non budgetary control.

Unit II

Personnel management – Staffing, Authority, responsibility, delegation, motivation, human relations, communication and evaluation techniques, present trends in marketing

Unit III

Advances in Catering Technology, Food plant layout and positioning of work centers – Food selection – purchasing, storing, quantity food preparation, cooking and serving

Quality control, food service establishments, HACCP, hygiene and sanitation, safety and security, recent trends in institution equipments, fuel economy and catering systems.

Unit IV

An overview of family nutrition. Diet for various stages of life cycle. Macro and micro nutrients and the impact of deficiency

Feeding the patients – nutritional screening, nutritional care process, nutritional care record, routine, hospital diets – qualitative and quantitative diets, plans – Regular Diet, infant diet, fluid diet, clear liquid diet, tube feeding, internal feeding, parentrl, peripheral, central, total and supplemental nutrition.

Gastro intestinal disorders, metabolic disorders – diabetes mellitus, cardiovascular disorders, renal disorders, Aids, Cancer and Burns.

Unit V

Diet counseling – role of dietitian in the hospital and community – education and professional qualifications of dietitians, professional code of ethics, Role of clinical, teaching, administrative and community dietitians – requirement for becoming a registered dietitian – American Dietetic Association and Indian Dietetic Association.

References:

1. Collier.M. and Sussen C. Success in principles of catering, 1990
2. Dhawan. V. Food and Beverage Service, 2000
3. Joan.C. Branson and Lema.M. Hotel and hospital house keeping, 1996
4. Mahon I.K. Krauses Food, Nutrition diet therapy, 2004
5. Williams, Basic nutrition and diet therapy, 2001
6. Cataldo, debryne and Whitney, Nutrition and diet therapy, 1991
7. Olson, S. and Shike Modern Nutrition in Health and Diseases, Vol 1 and 2, 1994
8. Potter, N.W. Food Science, 5th edition, 1997

Journals:

- Indian journal of nutrition and dietetics
- Journal of clinical nutrition
- Journal of American dietetic association
- Indian journal of nutrition and dietetics
- Journal of clinical nutrition
- Journal of American dietetic association

COURSE –IV – TEACHING AND LEARNING SKILLS

Objectives:

- ▶ acquaint different parts of computer system and their functions
- ▶ understand the operations and use of computers and common Accessories
- ▶ develop skills of ICT and apply them in teaching learning context and Research
- ▶ appreciate the role of ICT in teaching, learning and Research
- ▶ acquire the knowledge of communication skill with special reference to its elements, types, development and styles
- ▶ understand the terms communication Technology and Computer mediated teaching and develop multimedia / e-content in their respective subject
- ▶ understand the communication process through the web
- ▶ acquire the knowledge of Instructional Technology and its Applications
- ▶ develop different teaching skills for putting the content across to targeted audience

Unit I – Computer Application Skills

Computer system: Characteristics, Parts and their functions – Different generations of Computer – Operation of Computer: switching on / off / restart, Mouse control, Use of key board and some functions of key – Information and Communication Technology (ICT): Definition, Meaning, Features, Trends – Integration of ICT in teaching and learning – ICT applications: Using word processors, spread sheets, Power point slides in the classroom – ICT for Research: On-line journals, e-books, Courseware, Tutorials, Technical reports, Theses and Dissertations

Unit II – Communication Skills

Communication: Definitions – Elements of Communication: Sender, Message, Channel, Receiver, Feedback and Noise – Types of Communication: Spoken and written; Non-verbal communication – Intrapersonal, Interpersonal, Group and Mass communication – Barriers to communication: Mechanical, Physical, Linguistic & Cultural – Skills of communication: Listening, Speaking, Reading and writing – Methods of developing fluency in oral and written communication – style, Diction and Vocabulary – Classroom communication and dynamics

Unit III – Communication Technology

Communication Technology: Bases, Trends and Developments – Skills of using Communication Technology – Computer Mediated Teaching: Multimedia, E-content – Satellite-based communication: EDUSAT and ETV channels, Communication through web: Audio and Video applications on the Internet, interpersonal communication through the web.

Unit IV – Pedagogy

Instructional Technology: Definition, Objectives and Types – Difference between Teaching and Instruction – Lecture Technique: Steps, Planning of a Lecture, Delivery of a lecture – Narration in tune with the nature of different disciplines – Lecture with power point presentation – Versatility of lecture technique – Demonstration, Characteristics, Principles, Planning Implementation and Evaluation – Teaching – Learning Techniques: Team Teaching, Group discussion, Seminar, Workshop, Symposium and Panel Discussion – Models of teaching: CAI, CMI and WBI

Unit V – Teaching Skills

Teaching skill: Definition, Meaning and Nature – Types of Teaching skills: Skill of Set Induction, Skill of Stimulus Variation, Skill of Explaining, Skill of Probing Questions, Skill of Black Board writing and Skill of Closure – Integration of Teaching Skills – Evaluation of Teaching Skills

References:

1. Bela Rani Sharma (2007), Curriculum Reforms and Teaching Methods, Sarup and sons, New Delhi
2. Don Skinner (2005), Teacher Training, Edinburgh University Press Ltd., Edinburgh
3. Information and Communication Technology in Education: A Curriculum for Schools and programme of Teacher development, Jonathan Anderson and Tom Van Weert, UNESCO, 2002
4. Kumar K.I (2008) Educational Technology, New Age International Publishers, New Delhi
5. Mangal, S.K. (2002) Essential of Teaching – Learning and Information Technology, Tandon Publications, Ludhiana
6. Michael D. and William (2000), Integrating Technology into Teaching and Learning: Concepts and Applications, Prentice Hall, New York
7. Pandey S.K. (2005) Teaching Communication, Commonwealth Publishers, New Delhi
8. Ram Babu A. and Dandapani S (2006) Microteaching (Vol.1&2) Neelakamal Publications, Hyderabad
9. Singh V.K. and Sudarshan K.N. (1996) Computer Education, Discovery Publishing Company, New York
10. Sharma R. A. (2006) Fundamentals of Educational Technology, Surya Publications, Meerut
11. Vanaja. M. and Rajasekar S. (2006) Computer Education, Neelkamal Publications, Hyderabad.
