

PERSPECTIVE COURSE

SEMESTER – IV

PC6 - ADVANCED TECHNIQUES OF INSTRUCTION

Credits: 4

Internal : 40

Hours/Week: 4 Hrs

External: 60

Objectives

At the end of the course, the prospective teacher educators will be able to:

- appreciate the then, now and future of the educative process;
- relate learning and educational technology;
- analyse the process of communication;
- comprehend the interaction analysis process;
- understand the significance of computers in teaching;
- gain knowledge on the role of internet in education.

Unit I : Education – Then, Now and Future Decades

The Meaning of Education; The Educative Process; The present View on the Importance of Pupil and Learning Outcomes; The Teacher of Yesterday and Today; The Traditional Approach; The Pragmatic Use of Acquired Knowledge; Basic Principles of Learning; Curriculum; Need Based Curriculum; Models and Theories of Instruction; Socratic Model; Other Teaching Models; Teaching Theories; Teaching Model and the Teacher Education Programme; An Outline of Teaching Methods Used – Then and Now; Teacher Competency – Factors, Education in the decades to come.

Unit II: Learning and Educational Technology

Sense of Sight; Perception and Formation of Concepts; Value of One Sense Over Another; Multi – Sensory Approach; Audio-Visual Aids; The Fourth Revolution; Definition of Educational Technology; Technology of Education; Technology in Education; The Psychology of Using Teaching Aids; Media and Methods of Teaching; Integrated Use of Teaching Aids; Dale’s Cone of Experience; A Practical Cone Classifying Different Aids.

Unit III: Communication and Interaction

Theory of Communication; Communication Cycle; Types of Communication; Communication and Language; Communication in the Classroom: Lecture and Lecture-Demonstration as Communication Interaction Methods; Interaction Analysis; Observation Schedule and Record (OSCAR); Bale’s Interaction Process Categories.

Unit IV: Interaction Analysis

Flanders's Interaction Analysis : Introduction - Verbal Interaction Category System (VICS); Reciprocal Category System (RCS); Equivalent Talk Categories (ETC); Micro – Teaching; Important Features of Micro – Teaching; Classification of Teaching Skills; Link Practice; The Role of the Supervisor in Microteaching; Conclusion; The Mini Course.

Unit V: Mechanical and Electronic aids – Computer in Teaching

Computer Assisted Instruction; Computers in Education; Instructional Uses of Computer; The Teacher and CAI; Cybernetics; Interactive Learning Media; Interactive Audio; Interactive Video; E-mail; Teletext; Interactive Video; Power point presentation.

Unit VI: Internet in Education and Instructional Resources Centre

Evolution of Internet - Internet in Daily Life - Internet in Education - Resource Centres -Classroom Accessories; Materials and Tools Required for the Preparation of Teaching Aids; The Photographic Darkroom- Relative Advantages of Different Methods of Instruction, aids to promote effective learning.

Suggested References:

- ❖ Adam, D.M. (1985). *Computers and teacher training: A practical guide*, New York: The Haworth Pren.
- ❖ Alexey Semenov, UNESCO, (2005). *Information and communication technologies in schools: A Handbook for Teachers*.
- ❖ Aggarwal, J. C. (2000). *Essentials of educational technology*. New Delhi: Vikas Publishing House.
- ❖ Aggarwal.D.D (2004).*Educational technology*. NewDelhi: Sarup Publishing House.
- ❖ Bhattachary, S.P. (1994). *Models of teaching*. Regency Publications.
- ❖ Bharihok, D. (2000). *Fundamentals of information technology*. New Delhi: Pentagon Press .
- ❖ Crouton, T. E. (1962). *Programmed learning and computer based instruction*. New York: McGraw Hill Book Company Inc.
- ❖ Conrad, Kerri (2001). *Instructional design for web – based Training*, HRD Press.
- ❖ Gupta, M., and Arya. (1993). *The illustrated computer dictionary*. New Delhi: Dream land Publications.
- ❖ Lee, William W; Diana L Owens (2001). *Multimedia – based instructional design: Computer – based training*.
- ❖ Mallik, Utpal, et al. (2001). *Learning with computers Level, – III*. New Delhi: NCERT.
- ❖ Ramnath Sharma and Chandra, S.S. (2003). *Advanced educational technology*, New Delhi: Atlantic publishers and distributors.
- ❖ Saxena, S. (2000). *A first course in computers*. New Delhi: Vikas Publishing House.