**REVISED SCHEME (2016) OF Ph. D Course Work**

**SPECIAL EDUCATION**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl No | Course Code | Title | Time  (Hrs) | Credit | Marks | | |
| Internal | External | Total |
| 1 | SBEDCIC1601 | Research Methodology and Statistics | 90 | 4 | 50 | 50 | 100 |
| 2 | SBEDCIC1602 | Special Education | 90 | 4 | 50 | 50 | 100 |
| 3 | SBEDCIE1603 | Research Area | 90 | 4 | 50 | 50 | 100 |
|  |  | Total | 270 | 12 | 150 | 150 | 300 |
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**Ph D. Course Work in Special Education**

**SBEDCIC1601: Research Methodology and Statistics**

**Credit: 04, Contact Hours: 90, Marks: 100**

**Objectives:** After completing the course student will be able to:

1. Develop greater understanding on various descriptive research methods.
2. Develop greater understanding on various experimental research methods.
3. Develop greater understanding on different types of epidemiological research.
4. Apply various measures of descriptive statistics.
5. Apply various parametric and non parametric tests in the analysis of data.

Syllabus

1. Research Procedure

* 1. Theoretical introduction to research in education and behavioural sciences
  2. Ways of knowing about behaviour
  3. Experimental and non experimental methods
  4. Basic elements of scientific methods
  5. Research process

1. **Epidemiological Methods**
   1. Research problem
   2. Different types of hypothesis
   3. Tools of research
   4. Different types of sampling
   5. Preparation of research report and evaluation of research report
2. **Statistical Techniques**
   1. Descriptive statistics
   2. Use of measures of central tendency
   3. Dispersion
   4. Correlation
   5. Techniques of graphical representation
3. **Testing of Hypothesis**
   1. Inferential statistics
   2. ‘t’ test
   3. Chi-square test
   4. F distribution
   5. Biserial, tetrachoric and phi coefficient of correlation

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**Ph D. Course Work in Special Education**

**SBEDCIC1602: Special Education**

**Credit: 04, Contact Hours: 90, Marks: 100**

**Objectives**: On completion of the course the students develop:

* 1. Greater understanding of the trends and issues in the education and management of students with various types of disabilities.
  2. Greater understanding of the trends and issues in the special education research.
  3. The ability to critically evaluate the various types of educational arrangements for the children with special needs.

**Syllabus**

**Unit 1. Evolution of Special Education**

1.1 Historical development of education of children with special needs

1.2 Different stages of attitudinal changes

1.3 Current national and international scenario

1.4 Trends and issues in the education of children with multiple disabilities

1.5 Problems and needs in the existing system

**Unit 2. Trends and Issues in the Education and Management of Students with   
 Visual Impairment**

2.1 Screening, identification and diagnosis

2.2 Early identification and early intervention

2.3 Curriculum and teaching strategies

2.4 Aids and appliances

2.5 Development of independent living skills

**Unit 3. Trends and Issues in the Education and Management of Students**

**with Hearing Impairment**

3.1 Screening, identification and diagnosis

3.2 Early identification and early intervention

3.3 Aids and appliances for children with hearing impairment

3.4 Development of communication skills

3.5 Curricular adaptations for children with hearing impairment

**Unit 4. Trends and Issues in the Education and Management of Students**

**with Intellectual Disability**

4.1 Screening, identification and diagnosis

4.2 Early identification and early intervention

4.3 Curriculum and teaching strategies

4.4 Service delivery options

4.5 Vocational training and placement

**Unit 5. Trends and Issues in the Education and Management of Students with**

**Learning Disabilities**

5.1 Screening, identification and diagnosis

5.2 Early identification and early intervention

5.3 Specific learning disabilities

5.4 Remedial education programmes

5.5 Specialized approaches and techniques

**Unit 6. Trends and Issues related to Major Factors of Special Education**

6.1 Role of family, Community, NGOs and Government

6.2 Legislations in education of children with special needs

6.3 Multidisciplinary team

6.4 Tools and techniques

6.5 Research in education of children with special needs

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**Ph D. Course Work in Special Education**

**SBEDCIE1603: Research Area**

**Credit: 04, Contact Hours: 90, Marks: 100**