Bachelor of Special Education (ID/VI)

INTRODUCTION TO LOCOMOTOR AND MULTIPLE DISABILITIES

**Course Code: B 9 Credits: 02**

**Contact week- 15 Marks: 50( External-35, Internal-15)**

**Introduction of the Course**

The course aims to develop understanding about planning effective educational programme and functional activities for learners with locomotor and multiple disabilities. This course intends to develop required skills in teacher trainees to identify the children with locomotor and multiple disabilities and also plan an effective programme of education as well as for creating awareness on these conditions. Teacher is also expected to plan an effective therapeutic programme and also refer for medical intervention, if necessary.

**Learning Outcomes**

After completing the course the student-teachers will be able to

* Identify the learners with Locomotor disabilities due to different conditions such as Cerebral Palsy, Amputees , Polio, Leprosy cured, Muscular dystrophies, Neural and spinal defects and Multiple disabilities.
* Plan an effective programme for creating awareness about the learners with  
  Locomotor disabilities and Multiple disabilities.
* Plan an effective therapeutic and programme for the learners with Locomotor  
  disabilities and Multiple disabilities and to refer for medical intervention if necessary.
* Plan an effective educational programme and functional activities for the learners  
  with Locomotor disabilities and Multiple disabilities.

**Unit 1: Cerebral Palsy (CP) (10 hours)**

1. CP: Nature, Types and Its Associated Conditions
2. Assessment of Functional Difficulties of CP including Abnormalities of Joints and  
   Movements (Gaits)
3. Provision of Therapeutic Intervention and Referral of Children with CP
4. Implications of Functional Limitations of Children with CP in Education and  
   Creating Prosthetic Environment in School and Home: Seating Arrangements,  
   Positioning and Handling Techniques at Home and School
5. Facilitating Teaching-Learning of Children with CP in School, IEP, Developing  
   TLM; Assistive Technology to Facilitate Learning and Functional Activities

**Unit 2: Amputees, Polio, Spinal Cord Injuries, Spina-bifida and Muscular Dystrophy (10 hours)**

1. Definition and characteristics
2. Assessment of Functional Difficulties
3. Provision of Therapeutic Intervention and Referral

2.4.Implications of Functional Limitations for Education and Creating Prosthetic Environment in School and Home: Seating Arrangements, Positioning and Handling  
Techniques at Home and School

2.5.Facilitating Teaching-Learning: IEP, Developing TLM; Assistive technology

**Unit 3: Multiple Disabilities and Other Disabling Conditions (10 hours)**

1. Multiple Disabilities: Meaning and Classifications
2. Various Combinations of Multiple Disabilities and Associated Conditions Such as  
   Epilepsy, Motor and Sensory Conditions
3. Other Disabling Conditions such as Leprosy Cured Students, Tuberous Sclerosis and  
   Multiple Sclerosis

3.4 Implications of Functional Limitations for Education and Creating Prosthetic  
Environment in School and Home: Seating Arrangements, Positioning and Handling  
Techniques at Home and School

3.5 Facilitating Teaching-Learning: IEP, Developing TLM; Assistive technology

**Course Work/ Practical/ Field Engagement (any one of the following)**

* Undertake a case study after identifying a child with cerebral palsy or a child with  
  Multiple Disabilities. Assess the child's difficulties in activities of daily living and  
  academic activities and develop an intervention plan.
* Prepare an awareness material highlighting the causes, prevention and accessibility measures for children with locomotor disabilities.

**Essential Readings**

* Hinchcliffe, Archie. Children with cerebral palsy: a manual for therapists, parents and community workers, India, Sage publications,2007
* Miller, F. and Bachrach, S.J. (2012). *Cerebral Palsy: A Complete Guide for  
  Caregiving.* A Johns Hopkins Press Health Book.
* Sarva Siksha Abhiyan. Module on Cerebral Palsy. http://ssa.nic.in/inclusive-  
  education/training-module-for-resource-teachers-for-disabled.

**Keywords: Spina Bifida,Muscular Dystrophy,IEP,Prosthetics**