

SEMESTER-VIII

Course: Comparative Science Education

Credit Hours: 3

Introduction: Educators improve their practice by adopting and adapting educational systems and practices that were developed elsewhere. Comparisons of educational systems also provide a basis for assessing the suitability of current practices. This course focuses on training student teachers to compare and contrast educational systems and exposes students to the comparative approaches in education. Furthermore, the course aims at providing prospective teachers a basis for educational comparisons aimed at creating an understanding of issues influencing the focus, structure, organization and practice of education at international level, regional level and local level. With a major focus on Science Education, the course will equip the prospective science teachers with necessary acquaintance regarding issues and trends in the field of Science Education around the world so that they can learn the lessons for improvement and quality enhancement of Science Education in Pakistan.

Course Content

Unit 1: Introduction to Comparative Education

Topic: The Meaning of Comparative Education

Topic: The Purpose and Uses of Comparative Education

Topic: Concept of Globalization

Topic: Comparative Education: Historical Development and Evolution

Topic: Introduction to The WCCES: A Global Body in Comparative Education

Unit 2: Comparative Approaches in Education

Topic: Bereday's Four-Stage Method

Topic: Holmes' Problem Solving Approach

Topic: Eckstein and Noah's Scientific Method

Unit 3: Comparative Study of International Systems of Education

Topic: Western Europe

Topic: USA

Topic: East Asia

Topic: Latin America

Topic: Africa

Topic: South East Asia

Unit 4: Comparative Study of Regional Systems of Education

Topic: Anglophone

Topic: Francophone

Topic: Lusophone

Unit 5: Comparative Studies in Science Education

Topic: Globalization of Science Education

Topic: Factors affecting globalization of Science Education

Topic: Nuffield Science Foundation report

Topic: Analysis of TIMSS reports

Topic: Analysis of PISA reports

Evaluation Criteria

Examination	Type	Marks
Internal Examination	Sessional Work	15%
	Mid-Semester	25%
External Examination	Final Semester	60%

REFERENCES

- Beech J. (2006). The Theme of Educational Transfer in Comparative Education: A View over time I (pp. 2-13) in Research in Comparative and International Education Vol. 1. No. 1
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- Bereday G. F. Z. (1975) The Contribution of Comparative Education to Comparative Studies of Adult Education in Bennett, C., Kidd, J. R., and J. Kulich Comparative Studies in Adult Education: An Anthology Syracuse, USA: Syracuse University Publications in Continuing Education. pp. 114-118
- Ndoye M. (2008) Education in Africa: Knowledge Makes the Difference in Fredriksen B. and J. P. Tan (editors) An African Exploration of the East Asian Education Experience. Washington: World Bank pp. 61-79
- Noah H. J. (1984) The Use and Abuse of Comparative Education in Comparative Education Review. 28 pp. 550-562
- Phillips D. (2006) Comparative Education: Method in Research in Comparative and International Education, Vol. 1 No. 4 pp. 304-319.

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