

EDU 04-UNDERSTANDING DISCIPLINES AND SUBJECTS

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

Course Learning Outcomes

On the successful completion of the course, the learner will be able to:

1. Analyse the significance of different school subjects
2. Classify of academic discipline based on their nature and features
3. Differentiate the nature of different school subjects and their explain their evolution
4. Analyse and explain the process of emerging new academic disciplines
5. Critically examine the socio political dimensions of discipline and subjects

COURSE CONTENT

Unit 1

School subjects

- Major school subjects – languages, social sciences, mathematics and sciences.
- Reasons for including different subjects –
 - o languages – Language related skills/communication skill.
 - o Social Sciences - Understanding Social environment, citizenship. Historical mindedness, economic efficiency etc.-
 - o Science – development scientific attitude and temper, critical thinking, technical skills.
 - o Mathematics – Problem solving, Reasoning abilities etc.

Unit 2

Academic disciplines

- Meaning, definition and concept of academic discipline- Nature of discipline: discipline specific terminologies, method of inquiry, publications, experts and fraternity etc-
- differences and relationship between school subjects and academic discipline
- disciplines-classifications of disciplines (Biglan Model): soft Vs Hard, Pure life Vs pure Non-life, Applied life Vs Applied Non-life.
- Disciplinarity- disciplinary Interdisciplinary and multidisciplinary

Unit 3

Nature of different school subjects and their evolution

- History and nature of Languages.
- Subject nature and Subject history of Mathematics
- Subject nature and Subject history of Sciences.
- Subject nature and Subject history of Social Science

Unit 4

Emergence of new disciplines

- Reasons for the establishment of new disciplines- changing social, political scenario, new researches and inventions- specialisations, interdisciplinary approach, inclusion of work related areas etc.
- Emerging subjects (Disaster management, Nano technology, Gemmology, Bio informatics, Immunology etc.)

MODE OF TRANSACTION

Lecture, Discussion, Seminars, Assignments

TASKS AND ASSIGNMENTS

1. Select a topic from school subject and sketch the development the topic into an elaborated form in a discipline
2. Identify any 5 interdisciplinary subjects and list out their chief characteristics

REFERENCES

- Deng, Z (2013), School subjects and academic disciplines. In A Luke, A woods & K weir (Eds.), Curriculum, Syllabus design and equity: A primer and model. Routledge.
- Hodson (1987), Science curriculum change in Victorian England: A case study of the Science common things in I Goodson (Ed). Inter National perspectives in curriculum history, Croom Helm.
- Ivor F. Goodson and Colin J. Marsh, Studying school subjects, A guide (1996),Routledge.
- Maisnam, P, Lanka, S, K. & Gandhi, A.(2016). Understanding Disciplines and subjects. Meerut. Vinay Rakheja
- Makol, R & Makol,L. (2015). Understanding Disciplines and subjects. Bookman Pande,R.(2015) Understanding Disciplines and subjects. Lall book depot