Department of Physics, Tezpur University
Napaam 784 028, Assam

DST Sponsored Intensive Course in

ELASTICITY THEORY OF DISLOCATION AND INVERSION OF GROUND SURFACE STRAIN FIELDS

18–28 December 2006

The Department of Physics, Tezpur University will hold a DST sponsored Intensive Course in ‘Elasticity Theory of Dislocation and Inversion of Ground surface strain fields’ designed to impart the theoretical understanding as well as the requisite computational capabilities in modeling fault processes to young faculty members and researchers working in the field of Earth Sciences. The course will include the following topics and would be complemented with hands-on computational exercises.

Elasticity Theory, Dislocation theory, Fault Mechanics and Inverse Theory.

1. Course Coordinator: Dr. A. Kumar, Department of Physics, Tezpur University.

2. Course Faculty:
   *Professor V. K. Gaur, Distinguished Professor, Ind. Inst. Astrophysics
   *Professor Pravin K. Gupta, Indian Institute of Technology, Roorkee
   *Dr. Vineet Gahalaut, NGRI, Hyderabad
   *Dr Ashok Kumar, Tezpur University
   *Dr Abhishek Rai, NCEMP, Allahabad
   *Dr Anjan Bhattacharya, Tezpur University

3. Prerequisite background:
   *Basic concepts of Continuum Mechanics, Elasticity theory and Thermodynamics; Integral, Differential and Vector calculus; Matrix theory and Tensors; Probability and statistics

Intending participants, possessing the requisite theoretical background, may send an application on plain paper along with curriculum vitae and a statement of their Mathematical Physics background, through their Department Head/Research Supervisor to Dr. A. Kumar, Department of Physics, Tezpur University, Napaam 784 028, Assam.

Selected outstation candidates will be reimbursed return bus/train fare (up to 3 tier AC) from their place of work via the shortest route to Tezpur. Participants will be provided free accommodation and local hospitality at Tezpur during the course.

Last date of receipt of applications: 23 October 2006.