



Research course of the Graduate School Topics on Himalaya 3.–7.10.2011

Graduate School will organize an intensive course about Himalaya lectured by prof. T. Ahmad.

Graduate School will cover travel and accommodation expenses for PhD students in Oulu and Turku. The course will take place at the Department of Geosciences and Geography, University of Helsinki.

Lecturer

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Program

3rd October: Physiographic and lithotectonic subdivisions of the Himalaya, major thrusts and their boundaries, rise and denudation of the mountain belt, Himalayan syntaxes

4th October: Igneous and metamorphic rocks of Himalaya – correlation with Precambrian Indian Shield and their evolution

5th October: Purana Basins (Precambrian) and Paleozoic Basins of Himalaya – correlation with Indian Peninsula and their evolution

6th October: Tectonics of the Himalaya: Palaeogeography in the context of India/Asia collision: subduction of Indian plate, ophiolitic suites of the Himalaya. Development of thrusts and crustal thickening in the Himalayas

7th October: Sedimentation and evolution of Himalayan foreland basin (Cenozoic). Major faunal records of the Himalayan sequences Seismicity in the Himalayas.

Suggested Readings

Krishnan, M.S. 1982. Geology of India and Burma, CBS Publishers, Delhi.

Ramakrishnan, M. & Vaidyanadhan, R. 2008. Geology of India Volumes 1 & 2, geological society of India, Bangalore.

Naqvi, S. M. 2005. Geology and evolution of the Indian plate (From hadean to Holocene – 4 Ga to 4 Ka). Capital Publishing Company, New Delhi.

Valdiya, K.S. 1998. Dynamic Himalaya. University Press, Hyderabad.

Valdiya, K.S. 2010. The making of India, Macmillan India Pvt. Ltd.

Registrations

<http://blogs.helsinki.fi/geologian-tutkijakoulu/course/>

