

## Objectives and Course Content of Short Term Courses

Operational Plan No.	AS-14
Name of the Course	Advances in Laser Technology
Objectives of Course	The objective of the course is to update the knowledge of participants in the field of lasers and laser technology. The emphasis will be to understand the working principles of different lasers, beam properties and applications in material processing, consumer electronics, communications and medicines, etc.
Course Content	Introduction to Lasers; Lasers principles, design and characteristics; Various kinds of lasers; Handling and performing classical optics experiments in simplified way; Ultrafast lasers, Applications of lasers in material processing, communication, medicines and holography etc.
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