

## INCREASING UTILIZATION OF COMPUTER LABS AND INFRASTRUCTURE

| INEFFICIENT USE OF FACILITIES   | SUGGESTED ALTERNATIVE   |
|---|---|
| <b>Instructor led classes</b> that are primarily lecture and demonstration.   | <b>Teach in smart classroom</b> , then assign students to work in open computer lab where assistance is available.  |
| <b>Scheduled labs</b> – e.g. 3 hours morning, three hours afternoon, three hours evening, 4 or 5 days.                | <b>Create multipurpose labs operating 16-24 hours daily.</b> Instructors and/or lab assistants should be available as required.   |
| <b>Dedicated laboratory</b> for one discipline. (Partially filled laboratories result in further loss of efficiency.) | <b>Create multipurpose labs.</b> If open labs are not suitable, combine labs for related programs wherever possible.  |
| <b>Labs closed</b> because funds are not available for supervision.   | <b>Consolidate small laboratories into larger units and combine support staff.</b> This will increase equipment utilization and maintain or reduce supervision cost.  |
| <b>Unsupervised laboratories.</b>   | <b>Add television surveillance</b> to all labs for added security. Supervised labs may be unsupervised for short periods.<br><b>Note:</b> Assistance should always be available to students when needed.  |
| <b>Requirement for all computer activity to be conducted in the assigned laboratory.</b>                              | <b>Use open labs and remote access to expand lab capacity.</b> If students can use computers at home or in the workplace, this reduces space, equipment and maintenance requirements on campus. Connection via the internet and / or cable TV are less expensive than providing lab facilities on campus.<br><br><b>Note: Distance Learning</b> should be explored for expanding class capacity, reaching unserved students, and providing anywhere-anytime learning and just-in-time learning. |
| <b>Overcrowded labs with inadequate air conditioning.</b>   | Personal comfort adds to lab efficiency for instructors and students. Also, overheated equipment is much more prone to failure.   |