IVLE and Orthopeadic Posting



Integrated Virtual Learning Environment:

- More then 10 years
- One of the earliest web based application
- All aspects of a course are handled through a consistent user interface standard throughout the institution
- Evolved from a form based format to a full fledge eLearning platform
- Technology considered old in view of Web 2.0 technology



Integrated Virtual Learning Environment:

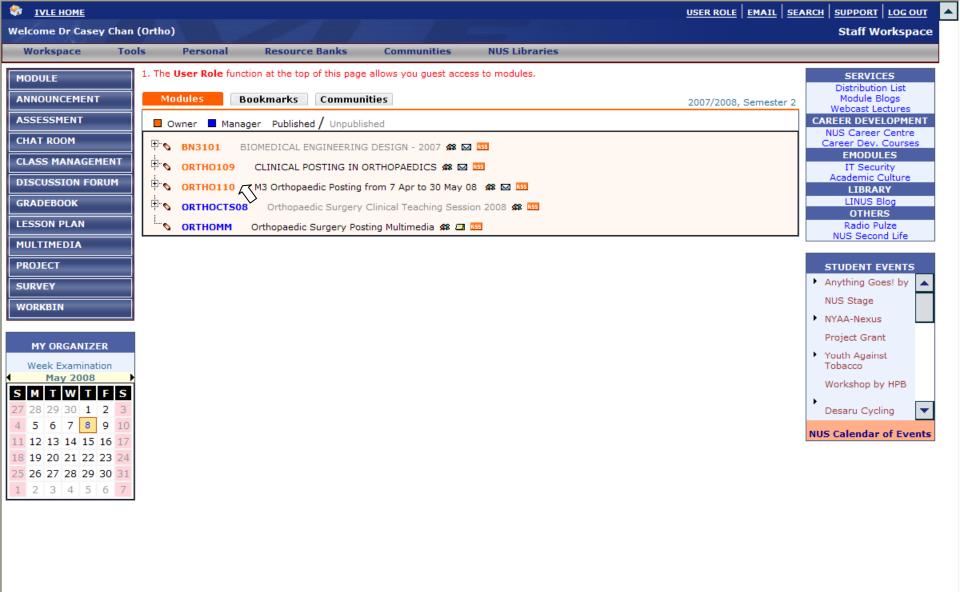
- Course management
 - Logistics, time table, announcements, syllabus
- Instructional Technology
 - Multimedia
 - Forum
 - Workbin

Intent

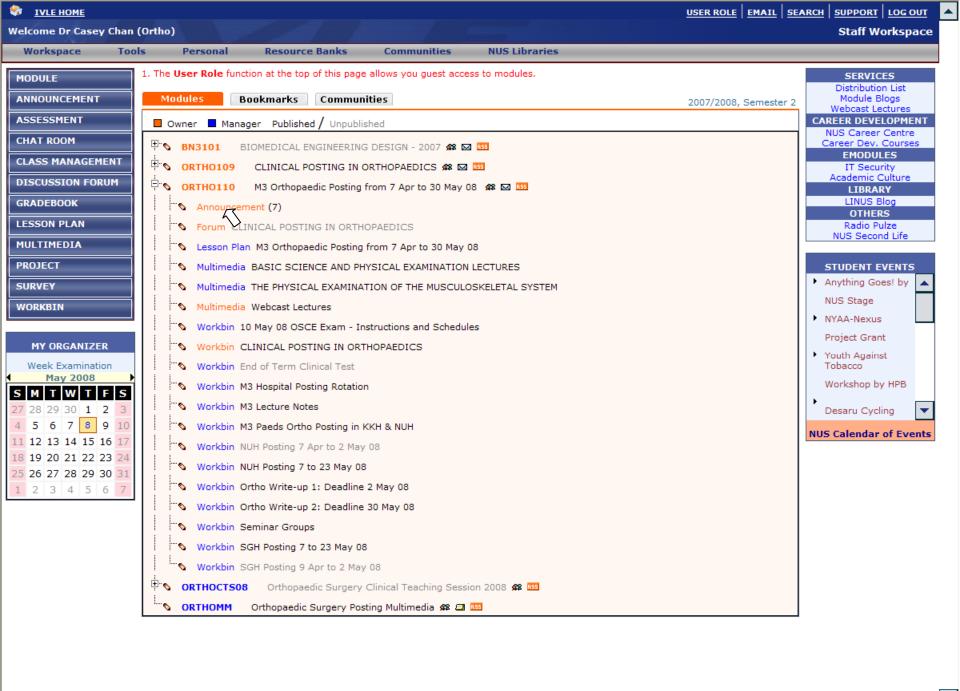
- More time for bedside and ambulatory teaching.
- Smoother organization and management of student's and support staff's time.

Type of activities most suited to IVLE

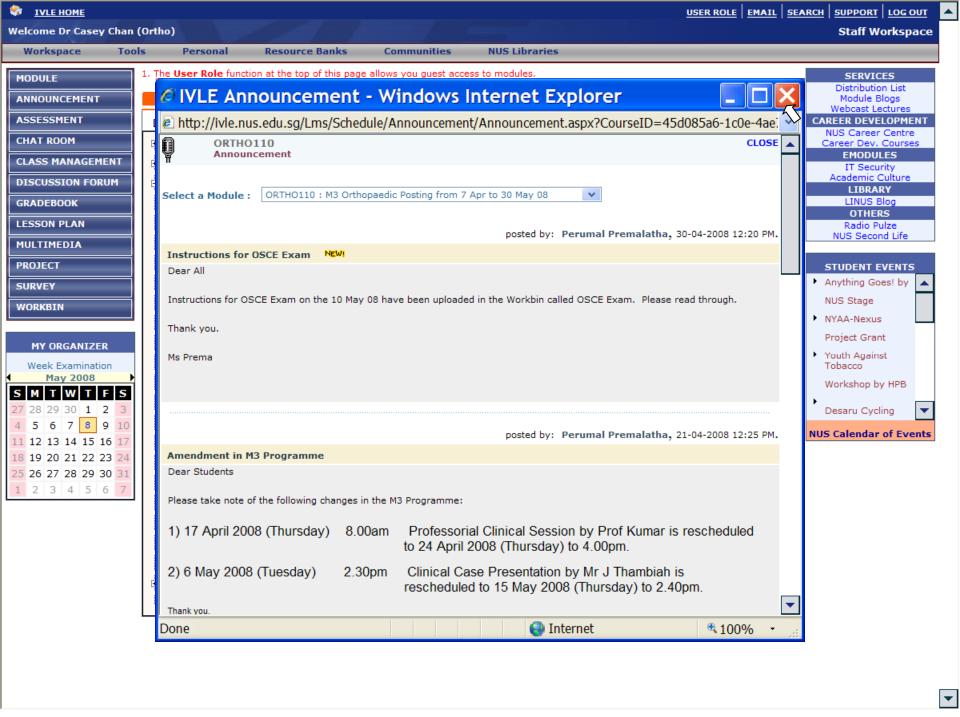
- Announcements
- Multimedia
 - Videos of Physical Examination
 - Webcast of lectures
 - Basic Science Lectures
- Workbin
 - Syllabus
 - Lecture Notes
 - Schedules
 - Case writeup

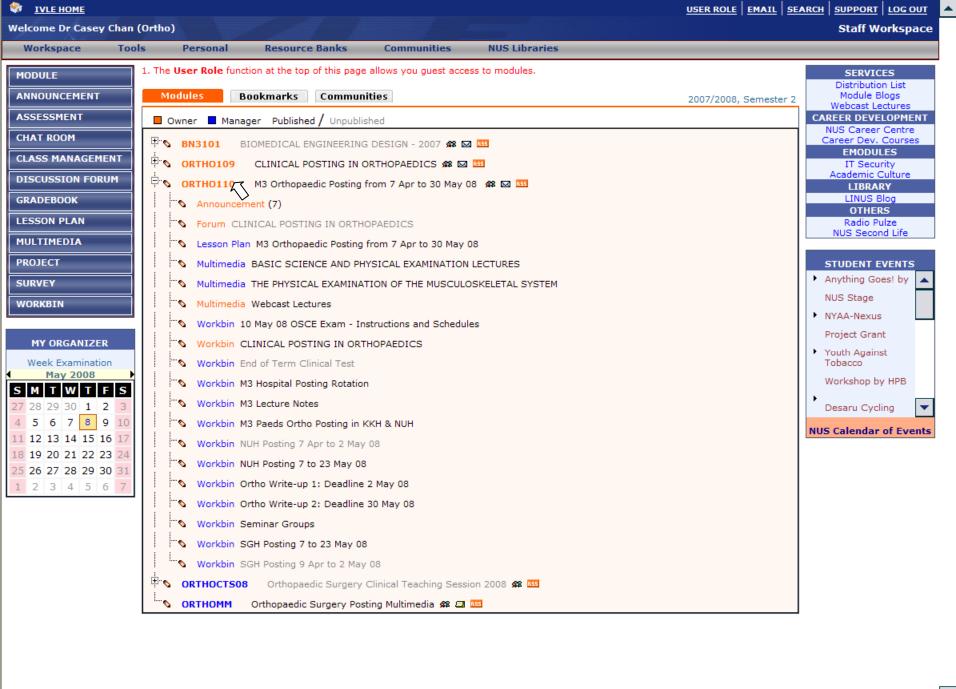




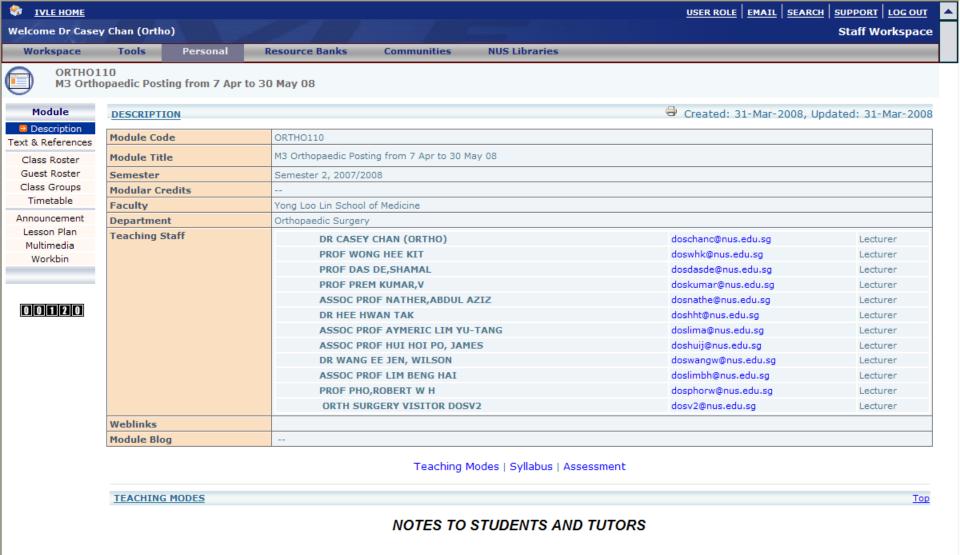












The department has a fully structured training programme over 8 weeks where students are exposed to the clinical settings of elective and emergency cases in the wards, operating theatres, outpatient clinics and rehabilitation. Students are rotated in groups and spend the first 4 weeks in one hospital followed by the second 4 weeks in another hospital for wider clinical exposure and teaching by other tutors. In each hospital, students are divided into two teams – one team (ward-based junior internship) will be based in the wards and another team (clinic-based ambulatory teaching) in the clinics; the two teams will switch some time in the middle of the 4 week attachment.

When students are posted to the different hospitals their behaviour must be exemplary. They must be courteous, thoughtful and



CORE CLINICAL CURRICULUM FOR MEDICINE YEAR 3 TO 5 ORTHOPAEDIC SURGERY

ACUTE CONDITIONS

CATEGORY I – MUST KNOW / MUST SEE

1. SEVERELY INJURED PATIENT: Threat to Life and Limb

The student should adhere closely to the contents of the ATLS Course taught in the M5 year. At the end of the ATLS, Orthopaedic and Surgical Posting, the students should be able to:-

- 1.1 Recognize the threat to life of a severely injured patient in coma, respiratory distress and shock.
- 1.2 Appreciate the system of primary and secondary survey.
- 1.3 Assess and resuscitate the patient under the headings ABCDE (airway with cervical spine control, breathing and ventilation, circulation, stopping of bleeding).
- 1.4 Be competent in applying adjuncts including x-rays to the assessment of resuscitation.
 1.5Neurological disability.
- 1.6 Be familiar with the skills including the ATLS and be competent in performing them at least in the Skills Lab.
- 1.7 Be familiar with assessments, common resuscitation and treatment of specific injuries in the ATLS book.

After completion of the orthopaedic posting in M3/M4, students should be able to clinically diagnose and outline the management of limb, spine, pelvic fractures including method, splinting, external fixation, traction and spinal immobilization.

2. MAJOR VASCULAR INJURY ASSOCIATED WITH FRACTURE/ DISLOCATION: Threat to Limb

The students should be able to recognize the presence of injury to major vessels associated with fracture-dislocation of the limb and to make a clinical diagnosis. The next step is to list the basic investigations to confirm the diagnosis.

At the end of the posting, the students should be able to :-

- 2.1 Describe and explain the sequelae of inadequate management of acute ischaemia of a limb
- 2.2 Describe the management of acute vascular problems especially the need to re-establish circulation of an ischaemic limb within 2 hours before irreversible damage.
- 2.3 Describe the sequelae of long standing ischaemia in the limb especially crush syndrome with mild myoglobinuria and renal shut down.





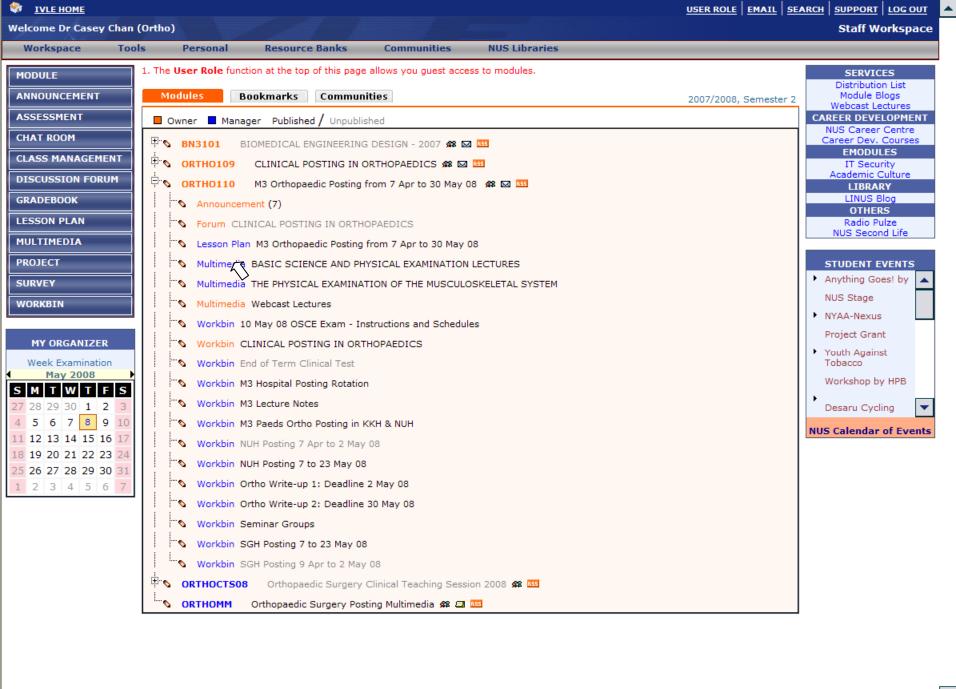
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NOTES TO STUDENTS AND TUTORS

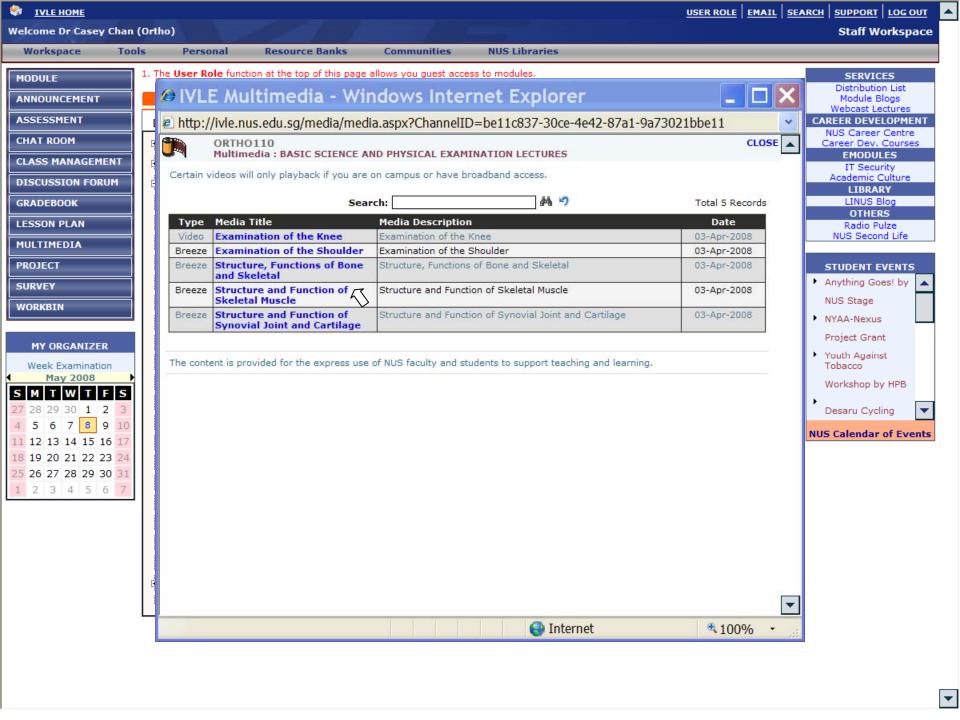
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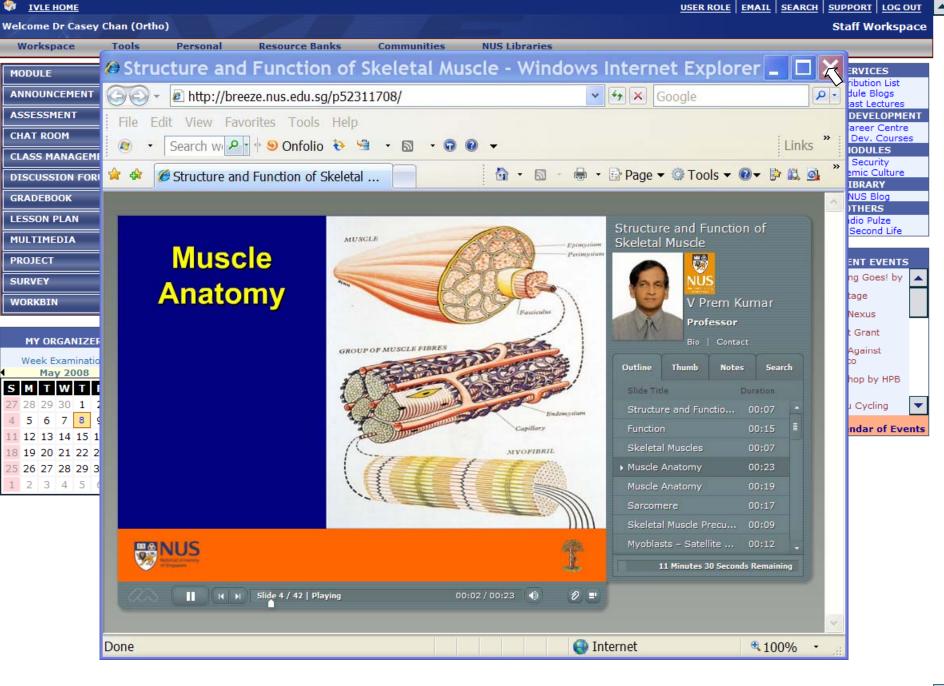
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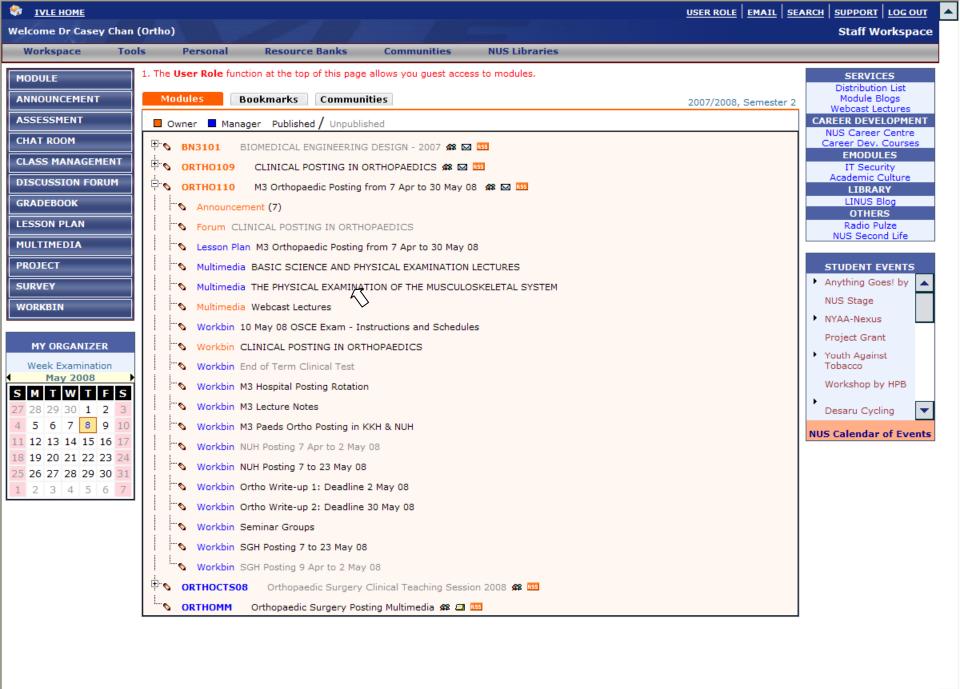


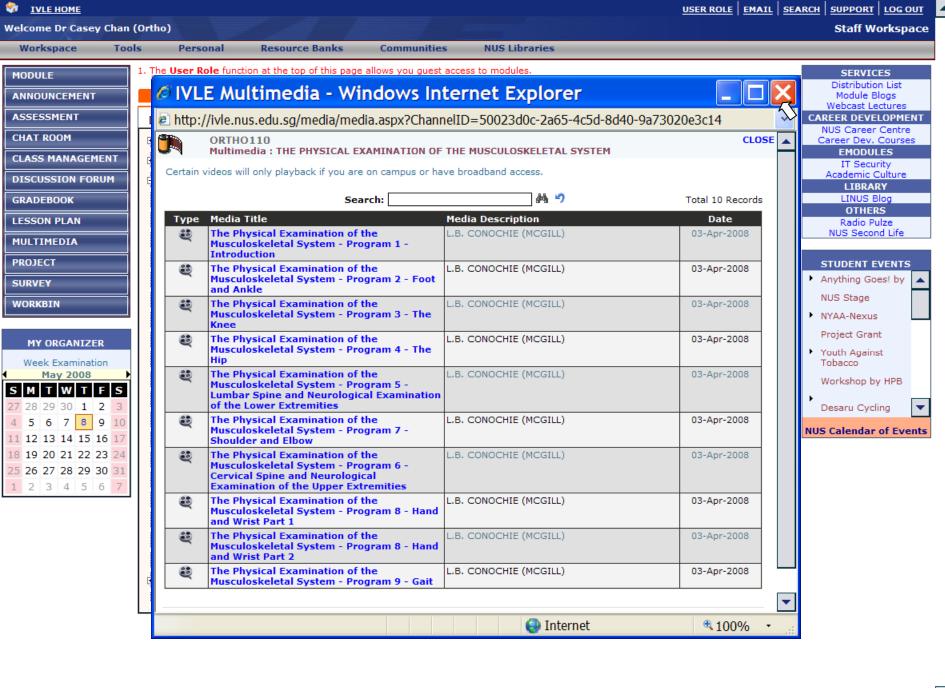




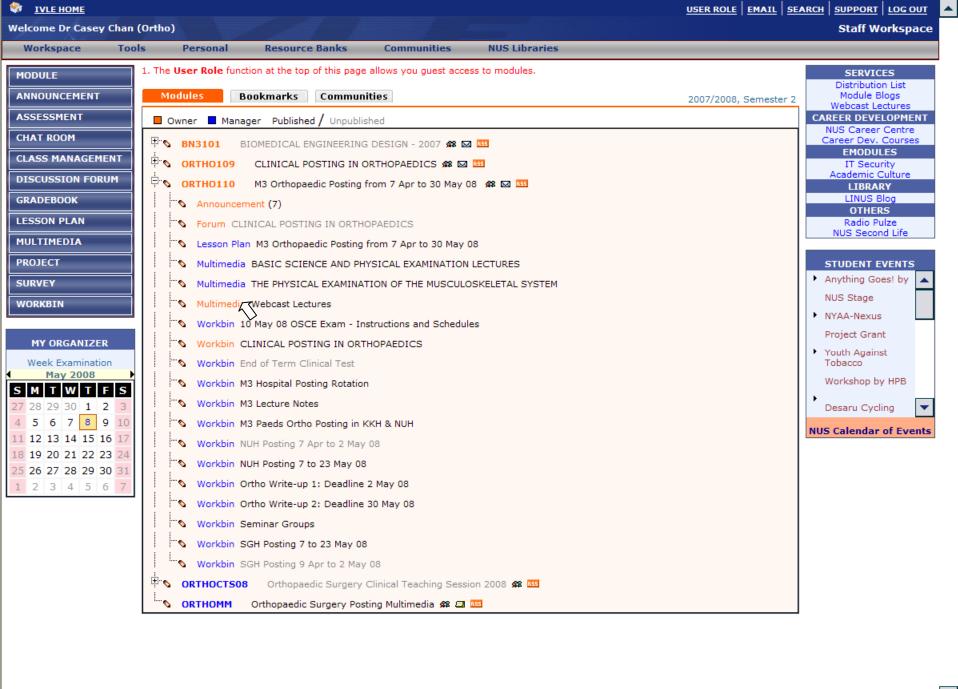


















What do we learn from this?

Experience after 10 postings

Some success

- Better communications
- A lot Less Paper work
- Mixed Result
 - IVLE Semester Centered
 - Multimedia usage not as high as expected

Response of Students to IVLE Teaching

