

E-Learning @ USP

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THE UNIVERSITY OF THE SOUTH PACIFIC

About USP

USP established 1968 to serve 12 regional member countries.





About USP

Unique Regional Scope; Covering thousands of islands over 33 million square km of ocean Around 2 million people and hundreds of distinct cultures 20,000+ students; 10% growth p.a. 50% Distance Learning Mode USP graduates over 1,600 graduates per a DFL Mission - All UG courses via DFL by 2010 This Unique Regional Scope demands Unique Learning & Teaching Solutions and Infrastructure.

Distance & Flexible Learning (DFL) @ USP



Print-based – traditional / most common:

Paper based

Study Guides

Introductory & Assignment Booklet

Text Book

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Audio-Video Conferencing / Broadcast:

- Lectures Broadcast (1way)
- Tutorials interactive (audio mostly).
- REACT System 2010.

Distance & Flexible Learning (DFL) @ USP

Online Learning:

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- USP's Learning Management System based on Moodle since 2007; after stints with Edison, WebCT from 2001.
- Primarily a supplementary mechanism for face to face and/or Print mode – exceptions some Law, CS/IS and Journalism courses.
- CFDL administers Moodle USP-wide with IT Services providing backend support, e.g. server management, storage.
- http://elearn.usp.ac.fj (Guest Login Avail)





E-Learning Research

Enhanced e-Learning:

- Discussion Forums.

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- Staged learning with reinforcement and testing.
- Online tools & Simulations
- Educational games

M-Learning:

- Using mobile phone technologies.
- Critical class administrative information.
- Web Interface on SMART phones





Blending Modes



Flexi-School:

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- Intensive 5-6 wk face-to-face.
- Usually held in between semesters.
- Regional campus focus.
- Smaller numbers / better focus.

Blended Modes of Delivery

- Combination of print, face to face, e-learning to offer a cocktail of delivery methods.
- Can be tailored to a particular discipline to improve learning effectiveness.



Education for Sustainable Development

Mainstreaming ESD

EDULINK project on ESD – developing a number of PG

courses

USP facilitating ESD in the region – PIF Ministers of

Education

Major efforts to develop PG courses in DFL courses (with online component)



Facilitating Infrastructure - WAN



Satellite

- IP VSAT system.
- iDirect Evolution
- 9.6MHz NSS-9
- Ku-Band Expansion July 2011.

AARNet

- Provides USP's Internet Backbone
- STM-1 / 155Mbps
- Onward connectivity to rest of world..



Facilitating Infrastructure - WAN



AARNet - Australian Academic Research Network



ISP

SOUTH PACIFIC



iDirect Evolution VSAT



- Capacity
 - 12Mbps Down
 - 4.5Mbps Up
 - 3-fold increase
- QoS Control
 - Seamless transition of network priorities across WAN.

Scalability

- Ku-Band expansion to remote sub-campuses.
- Cost Efficient.

Japan-Pacific ICT Centre





USP Japan-Pacific ICT Centre being a centre of excellence for Environmental Issues affecting the Pacific and the Globe.

Facilitating Infrastructure



Network:

- Ethernet + 802.11 + Fibre
- ARGENT Monitoring + PRTG / Netflow
- Issues:
 - WAN Links & QoS
 - Resiliency /DRP Investment.
 - Removing single points of failure
 - Security / Monitoring:
 - Overall Framework
 - Nagios NOC (JICA)
- Systems/Applications:
 - SAN Storage.
 - LAMP (Linux, Apache, MySQL, PHP) House.
- Administrative System Sungard



USPNet Network Engineers working on LAN in Laucala Campus.

USP Challenges



Regional Bandwidth Bottleneck. Regional Fibre / O3B

ICT Staff: Disparate ICT Standards & Training: Regional Telco Partnerships

Basic Regional PC Resources & Laboratory Facilities. Regional Logistics / Vendor Management.

Enterprise-grade Network:

ITIL Standards

Research & Development Resource Japan-Pacific ICT Centre.



Vinaka - Sa Oti!

Questions?