

# Universitas 21 Dentistry September 2004 Brisbane

Electronic Learning  
Resources for Dentistry  
Prof. Ed Yen, UBC

## Electronic Learning Resources

- On line electronic handouts (schedules, lecture notes, libraries of images, videos etc.)
- On line interactive modules
- On line real time video cast
- Databases
- Analytical applications (e.g. cephalometric analyses)
- Electronic textbooks and notes
- Others??

## Sharing Resources

- Intellectual property policy assigns ownership to author and sometimes to the University
- Electronic resources may not share common platform (unless web based)
- “marketplace” or clearing house required for electronic learning products

## Developing Electronic Learning Materials

- Faculty and support staff require training
- Require technical staff for design And programming support
- Faculty may require release time
- Dental schools and other investors that invest in development of learning materials may want to recover costs and reward authors

## Marketplace/Catalogue

- Mechanism needed to provide list of available products
- Authors/owners of products will determine if products will be available for barter, exchange, fees
- Co-owners or co-authors may determine internal sharing agreements



Dr. Edwin Yen  
Dean and Professor  
Faculty of Dentistry  
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## What is The Electronic Education Library?

- Web-based repository of dental education materials
- Allows dental suppliers and manufacturers to add references to their products
- Links research and educational activities to the newest dental technology



<http://www.eel.dentistry.ubc.ca>

## How Does It Work?

- Invites dental schools, researchers, dental manufacturers and others to contribute their content to this portal
- Stores a link to the contributed material
- Automatically files all contributed material into categories based on keywords



<http://www.eel.dentistry.ubc.ca>

# Screenshot – Electronic Education Library

The screenshot shows a Netscape browser window displaying the Electronic Education Library website. The browser's address bar shows the URL <http://www.eel.dentistry.ubc.ca/interface.htm>. The website has a yellow header with a search bar and navigation links: "Add Content", "My Schools Library", "My Private Library", and "Log In". Below the header, the page is organized into several columns of subject categories, each with a list of sub-topics. The categories include:

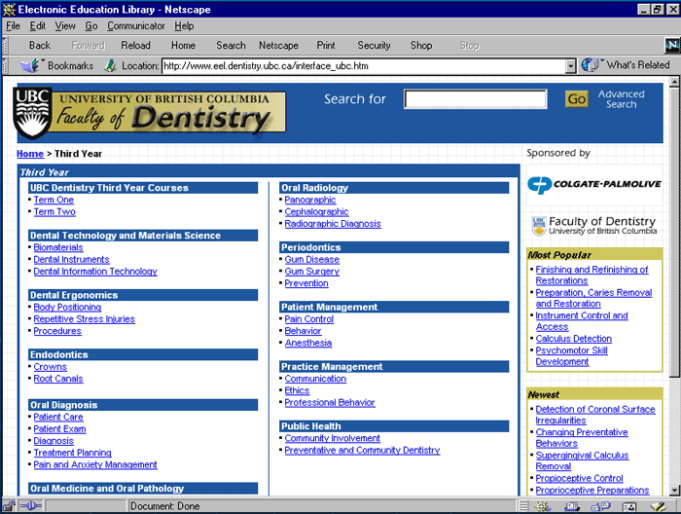
- Dental Technology and Materials Science**
  - Dental Instruments
  - Dental Information Technology
- Dental Ergonomics**
  - Operator
  - Body Positioning
  - Repetitive Stress Injuries
  - Procedures
- Endodontics**
  - Crowns
  - Root Canals
- Operative Dentistry**
  - Caries Control
  - Pulp Management
  - Amalgam Restorations
  - Adhesive Restorations
  - Cast Gold
  - Ceramic Restorations
- Oral Diagnosis**
  - Patient Care
  - Patient Exam
- Oral Surgery**
  - Dental Trauma
  - Extractions
- Orthodontics**
  - Diagnostic Procedures
  - Orthodontic Technology
  - Braces
- Periodontics**
  - Gum Disease
  - Gum Surgery
  - Prevention
- Prosthodontics**
  - Complete Dentures
  - Partial Dentures
  - Fixed Dentures
  - Implants
  - Prosthodontic Treatment Planning
  - Nutritional Factors
  - Prosthodontics for Disabled Persons
- Patient Management**
  - Pain Control
  - Behavior

On the right side, there are sections for "Sponsored by" (University of British Columbia), "Most Popular" (Infection Control, Tooth Polishing, Oral Health Promotion, Instrument Sharpening, Mercury Hygiene), and "Newest" (Applied Infection Control, Fluoride in the Carious Process, Assessment of Dental Caries, Dental Morphology, Pulp Testing). The University of British Columbia logo is at the bottom left, and the URL <http://www.eel.dentistry.ubc.ca> is at the bottom right.

## School Libraries

- Any dental school may create custom school libraries for their students
- Can select and reorganize the content to match their curriculum
- Can modify the visual presentation to match their web site
- Can add links to their private courses and content

## Screenshot – UBC School Library



The screenshot shows a Netscape browser window displaying the UBC School Library website. The browser's address bar shows the URL [http://www.eel.dentistry.ubc.ca/interface\\_abc.htm](http://www.eel.dentistry.ubc.ca/interface_abc.htm). The website header includes the UBC logo and the text "UNIVERSITY OF BRITISH COLUMBIA Faculty of Dentistry". A search bar is located in the top right corner. The main content area is organized into several columns of links and categories. On the left, there is a "Third Year" section with sub-sections for "UBC Dentistry Third Year Courses" (Term One, Term Two), "Dental Technology and Materials Science" (Biometals, Dental Instruments, Dental Information Technology), "Dental Ergonomics" (Body Positioning, Repetitive Stress Injuries, Procedures), "Endodontics" (Crowns, Root Canals), "Oral Diagnosis" (Patient Care, Patient Exam, Diagnosis, Treatment Planning, Pain and Anxiety Management), and "Oral Medicine and Oral Pathology". The middle column lists "Oral Radiology" (Diagnostic, Cephalographic, Radiographic Diagnosis), "Periodontics" (Gum Disease, Gum Surgery, Prevention), "Patient Management" (Pain Control, Behavior, Anesthesia), "Practice Management" (Communication, Ethics, Professional Behavior), and "Public Health" (Community Involvement, Preventive and Community Dentistry). The right column features a "Sponsored by" section with the Colgate-Palmolive logo, a "Faculty of Dentistry" logo, and two sections: "Most Popular" (Finishing and Refinishing of Restorations, Preparation, Caries Removal and Restoration, Instrument Control and Access, Calculus Detection, Psychomotor Skill Development) and "Newest" (Detection of Coronal Surface Irregularities, Changing Preventive Behaviors, Supra-epithelial Calculus Removal, Preoperative Control, Prognostic Preparations). The browser's status bar at the bottom indicates "Document Done".

UBC Faculty of Dentistry University of British Columbia

<http://www.eel.dentistry.ubc.ca>

## Personal Library

- Any individual may create an account and a personal library
- Can select and reorganize the content in their personal library
- Can add links to their own personal content

## Screenshot – View a Course

The screenshot shows a Netscape browser window with the title 'Tooth wear and hypersensitivity - Netscape'. The address bar shows the URL 'http://webct/user/Dent\_430\_Dial\_Surgery/Tooth\_wear/index.htm'. The main content area displays the course title 'Tooth wear and hypersensitivity' and a 'Home page' link. A sidebar on the left, titled 'EEL Sidebar - Netscape', contains the following information:

- Course Title:** Tooth Wear and Hypersensitivity
- Author:** Dr. Ian Mathew, Faculty of Dentistry, UBC
- [Instructions](#)
- [Abstract](#)
- [Key Words](#)
- [Related Products](#)
- Recommend to a Friend**
- Email:

The main content area also includes a 'Related Products' sidebar with logos for COLGATE-PALMOLIVE, DENTSPLY, GC Corporation, GSK, Procter & Gamble, and Unilever. The footer of the browser window shows the UBC Faculty of Dentistry logo and the URL 'http://www.eel.dentistry.ubc.ca'.

## Conclusion

- Consolidates dental education resources into one location that is easily searched and navigated
- Allows customized views of the library
- Links dental technology to the dental community

## Screenshot – Sidebar

**Electronic Education Library**  
Organize Your Courses

**Course Title:**  
Orthodontic Principles

**Author:**  
Dr. Ed Yen,  
Faculty of Dentistry, UBC

> [Instructions](#)  
> [Abstract](#)  
> [Key Words](#)  
> [Related Products](#)

**Recommend to a Friend**  
Email:

## Screenshot – Related Products

**Electronic Education Library**  
Organize Your Courses


Our sponsors have recommended the following products for this educational content...

 **COLGATE-PALMOLIVE**

> [Colgate Plus® Toothbrush](#)  
> [Colgate Tartar Control® with baking soda & peroxide toothpaste](#)  
> [Colgate Tartar Control® Toothpaste](#)

**DENTSPLY**

> [Comspan® Cement](#)  
> [Calibra® Cement](#)  
> [Fynal® Cement](#)

 **GC Corporation**

> [GC Fuji Ortho LC](#)  
> [GC Fuji Ortho Self-Cure](#)  
> [GC ReLine Hard Denture ReLine Material](#)

 **GlaxoSmithKline**

> [Aquafresh® Active Toothpaste](#)  
> [Aquafresh® Whitening Toothpaste](#)