Symposium on e-learning in	What is e-learning?
education and training	(Bates, 2005)
Victoria University of Wellington	distributed
29 September 2008	blended learning
Investing in online learning: cost analysis and business models	lap- mixed face- class- top mode ta to- room pro- ^{(less face-to-} face aids grams ^{learning}) ca no e-learning fully e-
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Why do you want to know the costs of elearning?

Will it be more work?

Is it more expensive than face-to-face teaching?

What do we need to invest - what do we need that we don't have?

Will it save money?

What fees should we charge to cover costs/make a profit? What market?

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Factors influencing the costs of elearning

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^{g)} cation fully e-learning

- 1. hours spent teaching and learning
- 2. no. of students in a course
- 3. teacher:student ratios
- 4. use of tutors/adjunct faculty
- 5. method of course design/ development/delivery
- 6. type of e-learning
- 7. institutional financial administration © Tony Bates Associates Ltd





Individual professors working alone



main model everywhere early adopters; essential for change dedicated; no alternative too much effort: no boundaries poor interface/graphics/more time than web professionals idiosyncratic: no economies of scale deter other professors; greater cost

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Boutique model of course design

- on demand technical support
- technology help not educational design
- high cost
- difficult to manage
- not scalable

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establish projects work in a team: professor(s) + instructional designer + web designer schedules/budgets/product funding linked to project management not popular with faculty Would project management work here?







Example: fully online course **Professor's time** 12 days for design/development (yr. 1) 12 days for delivery (each year)

3 days for maintenance (vrs 2-5)

 $F2f = 20 \times 5 = 100$ hours Online = $12 + (12 \times 5 = 60) + (3 \times 4 = 12)$

= 84 (but 4 more days yr 1)

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Partnerships and consortia

- 1. Joint development, separate delivery (e.g. central online, local hands-on training)
- 2. Separate development, e-network for delivery (credit transfer)
- 3. Joint development and delivery
- 4. National or international partners?

Different markets, different needs

Novice undergraduates from high school Experienced undergraduates Academic post-graduates Career post-graduates Part-time/full-time Lifelong learners

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Full-time, on-campus student On-campus student working parttime

Lifelong learner working full-time Tuition fees, scholarships, grants

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The need for new business models

All should have chance of statefunded post-secondary education Colleges designed mainly for young full-time, campus-based students: still this need, but more flexibility Workers need to go on learning New models of funding needed Professors don't want more teaching

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Lifelong knowledge workers: a major new market

NOT the same market as traditional CE On-going education/learning essential for economic survival

= 3 months training over five years

In Canada, nos. = univ. entrants from school

LLLs need access to best practice They do NOT want traditional offers

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Profile of lifelong learners Graduates (already state-subsidized) Working, often with a family Maximum study time per week: 10 hrs, Strong life/work experience, specialist knowledge 'Virtual' learning essential, from home/work Learners/employers able to pay



Modules, certificates, industry accreditation leading to masters Inter-disciplinary, 'topic-based' New knowledge since they graduated Flexibly delivered:

Part-time (evenings/weekends/half-days) Blended (campus + online) Fully distant (home or workplace)

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Building a business plan

Why?

- cost-recoverable/for-profit program
- compare different methods of teaching
- assist decision-making, future planning
- to know the costs and benefits of what you do

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Developing a business plan

Develop a business plan

- revenues as well as costs
- project management
- track, allocate and project costs (including time) over several years
- identify risks and options
- evaluate after five years

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What's in a business plan/budget?

Depends on institutional methods Best strategy: 5 -7 year budget plan Key assumptions:

- · academic and support staff time
- enrolments per course/semester
- student-teacher ratios
- design strategy (course team)



Possible revenue sources

- government/training grant: allocated resources (staff time) (instructors + learners' time) expressed as cash
- learner fees
- special grants (e.g. for development)

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- loans
- marketing/sales externally

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Balancing the budget Calculating the 'break-even' point between revenues and expenditures (over six years): Break-even when revenue = expenditure Fee = expenditures (- grants)/no. of students over length of programme Margin for safety (15%) Useful even for 100% grant-funded © Tony Bates Associates Ltd

Where e-learning has succeeded

Profit in niche markets, e.g.
University of Phoenix Online: 26,000 students, vocational
corporate e-learning (economies of scale)
MBAs (Queens, Athabasca, Canada)
Continuing professional degrees
For-profit workplace training (SkillSoft)

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Where e-learning has succeeded (cont.)

Masters in Educational Technology (for teachers - school or HE) University of British Columbia (public) fully online; international certificates + master 4 'core' courses + 6 electives from 12

Where e-learning has succeeded (cont.) UBC Masters in Educational Technology

certificates since 1996: masters opened 2002 80 students a year: 250 graduates (2007) fee: \$1,200 per course, \$12,000 in total program financed as a loan new research faculty funded from program: full costs recovered

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Where e-learning has succeeded (cont.)Students choose known brands:e.g. UBC's MET degreeUBC on-campus students:20%rest of province:24%rest of Canada23%international (31 countries)33%

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Where e-learning has succeeded (cont.)

Lessons:

different financial strategies for different markets

economies of scale are important

- high development costs
- lower delivery costs

quality matters

new designs to exploit e-learning

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Implementation and evaluation

Measuring success: set targets • enrolments (new profile?)

- within budget
- cost per student
- quality assurance process
- programme accreditation
- benchmarking



Focused e-learning e-learning a tool, not a panacea need to identify where it will bring most benefit depends on type of students, nature of topic program teams to develop vision of teaching/learning + role of elearning that drives funding 38



