Information technology has changed the focus of the university

- The Internet has changed the notion of place, time and space
- New methods of learning and teaching
- Student demography changing – life-long learning
- Changing financial context – mixed economy
- Increased competition - on resources
- Student focused – increased participation
- Blending of living, learning, working and leisure
New Ways of Learning

- **More collaborative**, active learning, hands-on experiences
- **Integrated**, multidisciplinary
- **Blended**, learning takes place anywhere/anytime, mobile technology with social activity
- **Immersive** with simulated or real-world experiences
- **Hybrid** activities, online with face-to-face, mixed reality

---

**Shift in Space Use from Formal to Informal – Complimentary Spaces**

- Thinking / Conceiving
- Designing
- Collaborating
- Debating
- Documenting
- Implementing
- Practising
- Sensing
- Operating

---
Learning in a diversity of settings within new learning landscapes

Knowledge exchange
- City
- Advice
- Transfer
- Knowledge
- Social

Learning spaces
- Study
- Teach
- Skills
- Work

Lifestyle facilities
- Catering
- Sports/Health
- Residential
- Retail

DEGW

Broaden the range of settings – Support diverse pedagogies

- **Thinking/conceiving** spaces (spaces for deliberating, brainstorming)
- **Designing** spaces (spaces for putting structure, order, and context to free-ranging ideas)
- **Presenting** spaces (spaces for showing things to a group)
- **Collaborating** spaces (spaces for enabling team activities)
- **Debating** or **negotiating** spaces (spaces for facilitating negotiations)
- **Documenting** spaces (spaces for describing and informing specific activities, objects, or other actions)
- **Implementing**/associating spaces (spaces for bringing together related things needed to accomplish a task or goal)
- **Practicing** spaces (spaces for investigating specific disciplines)
- **Sensing** spaces (spaces for pervasively monitoring a location)
- **Operating** spaces (spaces for controlling systems, tools, and complex environments)
Rethink space use, ownership and governance

**SPECIALISED**
- Tailored to specific functions
- Formal teaching, generally enclosed
- Owned within departments, subject specific
- Specialized equipment
- High levels of performance specification
- Higher security concerns

**GENERIC**
- Range of classroom types
- Formal teaching, open and enclosed
- Access by schedule
- Generic teaching settings
- Limited in flexibility by furnishings
- Used when scheduled

**INFORMAL**
- Wide range of setting types: informal and formal, social, open and enclosed
- Public, visible, distributed, inclusive
- Encompass richer range of settings
- Allow choice
- Loose fit, unscheduled
- Work as a network of spaces rather than singular settings

New Property Paradigm – Market Responsive

**Core Space: Owned Space**
- Icon & image space
- Special functions
- Operations HQ/Admin
- Centre for services

**Flexi Space: Leased Space**
- Leased UMUC-Branded space
- Auxiliary Operations
- UMUC-managed shared facilities with corporate, consortium or institutional partners

**On Demand: Pay per Use**
- Short term agreements in response to enrollments
- Leased classrooms at other institutions
- Presence in shared Higher Ed Centres
- Presence in non-UMUC branded facilities

Source: University of Maryland

© DEGW | JW 20110304 | 7

© DEGW | JW 20110304 | 8
New Space Models

Traditional categories of space are becoming less meaningful as space becomes less specialized, boundaries blur, and operating hours extend toward 24–7.

Space types designed primarily around patterns of human interaction rather than specific needs of particular departments, disciplines or technologies.

New space models focus on enhancing quality of life as much as on supporting the learning experience.
Learning Landscapes an Approach to Re-Imagining the University

Articulating the Vision

EXPRESSION       EFFICIENCY       EFFECTIVENESS

Identity and brand
Condition and maintenance
Circulation and permeability
Flexibility
Way finding and orientation
Effective use
Security
Create ‘Club’ settings

- **Drop-in use**, intermittent scheduling, with bookable space
- **Highly serviced**, with support and expertise available
- **Choice of settings**, both shared and individual
- **Rich interactive environments** supporting collaboration

**“appropriable space”**

(Bill Mitchell)

Support collaborative activity

- **Comfortable, inviting settings**
- **Interactive, shared wall screens**
Ravensbourne College - opportunity to create a new educational model

**part college** teaching, learning  
young practitioners (rather than students)  
fully professional outcomes  
networked college (not doing everything itself)

**part lab** experimentation, development  
idea generator, development projects  
interdisciplinary, multi-skilled teams  
international innovation network and influence

**part hub** new ideas/services to market  
commercial evaluation of ideas  
copyright & ip services  
collaboration with others

---

**An educational model that focuses on the learner**

<table>
<thead>
<tr>
<th></th>
<th>level one</th>
<th>level two</th>
<th>level three</th>
</tr>
</thead>
<tbody>
<tr>
<td>curriculum</td>
<td>connecting people</td>
<td>supporting programmes</td>
<td>matching industry</td>
</tr>
<tr>
<td>settings</td>
<td>independent learning</td>
<td>structured learning</td>
<td>facilitated learning</td>
</tr>
<tr>
<td>technology</td>
<td>open access</td>
<td>programme bookable</td>
<td>college bookable</td>
</tr>
<tr>
<td>teachers</td>
<td>general assistance</td>
<td>enhanced provision</td>
<td>advanced provision in fixed locations</td>
</tr>
<tr>
<td>services</td>
<td>administrative</td>
<td>timetabled assistance</td>
<td>specialist assistance</td>
</tr>
<tr>
<td></td>
<td>academic/technical</td>
<td></td>
<td>specialist services</td>
</tr>
</tbody>
</table>
Combination of settings and accessibility – 50% Open Access

Teaching Facilities

level one
open access
connecting people

level two
programme bookable
supporting programmes

level three
college bookable
matching industry

Studio Facilities

level one
open access
connecting people

level two
programme bookable
supporting programmes

level three
college bookable
matching industry

Kings Cross: The Hub – Place for meeting, working, learning, innovating & connecting

"Dedicated to inspiring and supporting enterprising initiatives for a better world"

- Tiered membership (from 5 hrs per month to unlimited use); membership fees increase for those with turnover of £150,000+ per annum.

Concept: 00 Research
British Library – An Integral Part of the City for Learning and Exchange

Spatial solutions to increase innovation

**The Challenge**
- Create a space that drives innovation
- Bring the customer to the heart of the workplace
- Introduce desk sharing
- Measure business benefits

**The Opportunity**
- Improve business performance
- Co-locate disciplines
- Promote collaboration
- Stimulate creativity

**Impact**
- 67% decrease in time lost per day
- 45% faster decision-making
- Double digit growth
Overlapping the Use of Space and Time

Shell Learning Center - Netherlands

Lean Thinking = Integrated Approach

Re-envisioning the Site - Diversity of Places
Three themes for reflection:

- **Lean Thinking**
  - Sustainable communities using existing resources more effectively

- **Managing Paradox**
  - Accepting conflicting demands

- **Moderating Change**
  - Living in a world of continuous change