A LIVING CURRICULUM: CONVERSATIONS ABOUT LEARNING AND TEACHING

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ABSTRACT

Unitec New Zealand’s ‘Living Curricula’ is both an Academic Strategy and an aspiration for a unique institutional culture. The Department of Performing and Screen Arts has developed course curriculum that crosses discipline boundaries and exploits collaborative opportunity to leverage economical solutions to ever-growing sector and system constrains.

Developing a living curricula involves ‘conversations’ about enquiry, knowledge, practice, and learning and teaching approaches which focus on engagement between and among learners, teachers, practitioners, communities, scholars, and with self and texts. It involves tailored teaching & learning approaches that are defined by four key ideas:

- Enquiry (how learners go about asking and answering questions);
- Discipline (how learners engage with the knowledge that underpins the discipline);
- Autonomy (how learners increasingly develop their capability and confidence); and
- Conversation (how learners engage with self and others to develop understandings).

Embedded within a ‘living curricula’ is the concept of Ako, a Maori word which means to learn study, instruct, and teach or advice. Ako describes a teaching and learning relationship where the educator is also learning from the student and where educators’ practices are informed by the latest research and are both deliberate and reflective. The key aspects of ako are:

- Language, identity and culture counts – knowing where students come from and building on what students bring with them.
- Productive partnerships – Students, whānau (extended family) and educators sharing knowledge and expertise with each other to produce better outcomes.

A ‘living curricula’ is not forever changing it is simply alive!

Keywords: Student-centered Learning, collaborative learning, performing and screen arts education, curriculum development.
1. INTRODUCTION

A living curriculum is defined not as the information content of a program, but rather as the programs’ learning experience (Unitec, 2010). Living curricula learning experiences emphasize the links and application of theory/knowledge and work experience/practice. Knowledge is both applied in practice and drawn from practice. Therefore the process of developing living curricula involves ‘conversations’ about enquiry, knowledge, practice, learning and teaching approaches which focus on engagement between and among learners, teachers, practitioners, communities, scholars, and with self and texts.

Unitec’s living curricula is aimed at developing course curriculum that crosses discipline boundaries and exploits collaborative opportunity to leverage economical solutions to ever-growing sector and system constrains. This ‘living curriculum’ solution continuously reframes the nature, context and concept of learning, providing a new educational offer that meets the changing needs of both students and workplace. This innovation in teaching and learning requires teachers to:

- Relook…at what it takes to succeed in the modern environment.
- Rethink…their approach in response to their students’ needs for tomorrow.
- Redesign… and revitalize the learning curriculum using inside, outside and worldwide points of view to continuously adapt and improve.

The living curricula project is helping to reposition learning as a continuous conversation within a dynamic curriculum that is integrated with, and takes advice from, the world our students live in. These conversations occur at all levels of the learning cycle between and among teachers, students and the communities in which they live and in which they wish to work. It has driven a culture of continuous professional development and improvement with our teachers toward more interaction and integration with the real world. And also helped to achieve a focus for the Institution on critical strategic focus areas such as developing an impact-focused research portfolio that is distinctive and positions Unitec research as practical, applied and valued, as well as at the other end of the spectrum, assisting in the repositioning of foundation education to provide a clear pathway through vocational and applied professional education.

2. THE INSTITUTION

Unitec Institute of Technology was established in 1976. Unitec now has approximately 24,000 students – which equates to around 10,500 equivalent full-time students. Unitec occupies a unique place in the New Zealand post-secondary sector with its multi-level program portfolio, which delivers multiple pathways and entry points from Certificate to Professional Doctorate as well as excellent employment outcomes. In 2010 67% of graduates progressed to employment, while 29% progressed to further study. Overall 83% of our graduates were employed in an area relevant to their qualification. These results align well with the New Zealand Governments’ Tertiary Education Strategy with anticipates >80% of students enrolled in courses at Level 4 and above by 2020, and graduates being delivered directly to the skilled employment market (The Auckland study, 2010).
Programs are delivered from three Unitec sites within the metropolitan area of Auckland, which is New Zealand’s largest city. Auckland has over 1.3 million residents (31% of the country’s population) with a diverse population consisting of NZ European (67%), NZ Maori (11.5%), and Asian (14.6%) and also the largest Polynesian (14.9%) population of any city in the world (approx. 152,000 individuals). This diversity presents a number of challenges and also opportunities as Unitec grows to meet the needs of its region, which is under-serviced by vocational/applied professional education and training.

It is the expressed wish of Unitec to increase participation and success of its Maori and Pacific students with its targets being to have participation at our regional demographic and success at least at the institutional average. For Maori and Pacific students to succeed in the current environment, it must be realized that academic achievement is both a personal and institutional responsibility and that barriers and solutions lie in both these spheres. There is acknowledgement that some deficits do exist among students and steps must be taken to ensure required foundation skills and qualities are gained. In recognition of this, Unitec has established a partnership in its educational charter entitled ‘Te Noho Kotahitanga’ which seeks to improve Maori participation and success and to incorporate a Maori dimensions in all Unitec programs. A vital aspect in incorporating a Maori dimension is the use of teaching strategies and approaches consistent with Maori educational values. A primary educational relationship employed at Unitec which contrasts the dominant discourse is the notion of Ako which translates as ‘to teach and to learn’ (Smith, 1992). Ako, also known as ‘reciprocal teaching’ is an approach used by New Zealand teachers in the primary and secondary sectors for many years, whereby students are taught effective strategies in reading and are able to lead group discussions as the teacher sits with the students and engages with their conversations and facilitates discussion. This approach works well with Maori and Pacific students and is an active learning approach that engages both teacher and student in conversations of teaching and learning (Alton-Lee, 2003).

3. **LIVING CURRICULA IS A STUDENT CENTERD APPROACH**

Unitec has developed its living curricula concept based upon the firm foundations of student centered learning and it antecedents. Student-centered learning (SCL) is based on the idea that learning is meaningful when topics are relevant to the students’ lives, needs, and interests and when the students themselves are actively engaged in constructing their own knowledge (Gardner, 1983). Hence, students are given choices about how they learn and are included in the classroom decision-making. SCL is where students work in both groups and individually to explore problems and take initiatives that allow them to discover their own meaningful information and learn how to learn through discovery, inquiry, and problem solving.

Student-centered approaches are often defined by contrasting them with traditional instructional approaches characterized by greater teacher direction (Cuban, 1983). The key differences between the two approaches include goals, roles, motivational orientations, assessments, and student interactions (Pedersen and Liu, 2003).
There have been many different approaches to teaching that fit the criteria for SCL. Many of these have original names that are quite familiar, for example:

- Active Learning (Bonwell and Eison, 1991).
- Collaborative Learning (Bruffee, 1984).
- Cooperative Learning (Johnson, 1991).
- Discovery Learning (Bruner, 1961).
- Problem-based Learning Schmidt, 1993).
- Team-based Learning (Michaelson, 2004)

In a SCL environment, McCombs and Whistler (1997) suggest that learners are treated as co-creators in the learning process, as individuals with ideas and issues that deserve attention and consideration when properly implemented SCL can lead to increased motivation to learn, greater retention of knowledge, deeper understanding, and more positive attitudes towards the subject being taught (Collins and Brien, 2003). SCL learning environments recognize that the prior knowledge of learners powerfully influences future learning and thus attempt to build on prior knowledge (Land and Hannafin, 2000). A principle which is central to the concept of the living curricula and its employment of the concept of Ako.

4. LIVING CURRICULA AND THE CONCEPT OF AKO

Ako, as mentioned previously, means to learn, study, instruct, teach or advise. The concept of ako describes a teaching and learning relationship, where the educator is also learning from the student and where educators’ practices are informed by the latest research and are both deliberate and reflective. Ako is grounded in the principle of reciprocity and also recognizes that “the learner and whānau cannot be separated” (Ministry of Education, 2009). Ako therefore means to both to teach and to learn. It recognizes the knowledge that both teachers and learners bring to learning interactions and the way that new knowledge and understandings can grow out of shared learning experiences. Educational research has shown that when teachers facilitate reciprocal teaching and learning roles in their classrooms, students’ achievement improves (Alton-Lee, 2003).

The principle of Ako affirms the value of the pair and group learning approaches in which students interact with their peers, teacher, tasks, and resources. It suggests that in a reciprocal learning relationship teachers are not expected to know everything, but rather that “each member of the classroom or learning setting brings knowledge with them from which all are able to learn” (Keown, 2005).

Embracing the principle of Ako enables teachers to build caring and inclusive learning communities where each person feels that their contribution is valued and that they can participate to their full potential. This is not about people simply getting along socially; it is about building productive relationships, between teacher and students and among students, where everyone is empowered to learn with and from each other (Kura Auraki, 2009).
5. CHARACTERISTICS OF A LIVING CURRICULUM

A Living Curricula is primarily about the engagement of learners with the learning itself. This may be learning material (technologies, skills, knowledge, text, etc.), their teachers, their whānau (extended family), community and industry. It can also be about the added value we can give learners in the way they engage – e.g. research, enquiry, autonomy, professionalism, technology and innovation with that learning. The intention of the living curricula is not to change what is learned, but rather the way that it is learned. The living curriculum is defined by a number of characteristics:

- Enquiry - how learners go about asking and answering questions;
- Discipline - how learners engage with the knowledge that underpins the discipline;
- Autonomy - how learners increasingly develop their capability and confidence; and
- Conversation - how learners engage with self and others to develop understandings.

And embedded within, are the key concepts of Ako:

- Language, identity and culture counts - knowing where students come from and building on what students bring with them.
- Productive partnerships - Students, whānau and educators sharing knowledge and expertise with each other to produce better outcomes (Unitec, 2010).

5.1 Enquiry

Enquiry is a process that is at the heart of what we do in tertiary study. It starts with thinking about the world, formulating a question, finding information about the question, interpreting and testing ideas and information, generating and synthesizing ideas, presenting and reflecting on the process. This allows for learning which:

- Is curiosity/inquiry led, and stimulating
- Is socially constructed – self-sufficiency and collaboration
- Blends face-to-face and web-based learning
- Is research-informed (Unitec, 2010)

Ako as wananga (tribal knowledge, lore, and learning) informs the curriculum through critical enquiry. The relationship of the learner and the teacher is interdependent and reciprocal for personal and communal good. In this context, the teacher is prepared to learn from the learner (Unitec, 2010).
5.2 Discipline

Discipline can be defined as a community of practice, which has a (contested and evolving) body of knowledge and theory, based on particular ways of knowing and practicing, which is taught and applied and researched. A discipline has its own literacy’s and language. Members of the discipline (faculty, learners, practitioners, scholars, etc) identify with this community of practice and help to induct new members. Characteristic of this:

- Are practice-focused – educating students ‘for work, in work, through work’
- Have a discipline base, and are also interdisciplinary
- Encourage active and responsive interaction with industry, professional and community groups to shape content, curricula and delivery modes (Unitec, 2010)

Ako as kaupapa (foundation, element), is a process by which the intellect internalizes, distinguishes, and creates new knowledge (Unitec, 2010).

5.3 Autonomy

Autonomy allows for individuals to take increasing charge of their own learning. This may be best achieved through a scaffold and staged process of learning how to learn, planning, managing and reflecting on the process and products of learning. Approaches that:

- Are equally valued, and together they help nurture resourcefulness and resilience
- Develop literacy for life-long learning
- Include embedded assessment (Unitec, 2010)

Ako as mana (authority). Mana binds the authority of learner and teacher with matauranga (knowledge). Integrity is developed through a process of poutama (scaffold learning) (Unitec, 2010).

5.4 Conversations

Conversations about enquiry, knowledge, practice, learning and teaching are significant for engagement between and among learners, teachers, practitioners, communities, scholars, and with self and texts. Conversation develops beyond chat or discussion and becomes true dialogue that involves analysis, synthesis, critical thinking and reflection. These conversations may be:

- With (and among) teachers
- among students – face-to-face and online
- With class peers and with others
Conversations about enquiry, knowledge, practice, learning and teaching are significant for conversations may be:
dialogue that involves analysis, synthesis, critical thinking and reflection. These and with self and texts. Conversation develops beyond chat or discussion and becomes true engagement between and among learners, teachers, practitioners, communities, scholars, and learners. Characteristic of this: taught and applied and researched. A discipline has its own literacy’s and language. Members of practice and help to induct new members. Characteristic of this: Autonomy allows for individuals to take increasing charge of their own learning. This planning, managing and reflecting on the process and products of learning. Approaches that:

- With practitioners
- With partners – whānau, industry, employers, the world
- With texts – what is the text saying? What do we have to say about the text?

Ako as puawaitanga (the flowering of knowledge), acknowledges that curriculum development derives from diverse forms of intercultural communication (Unitec, 2010).

6. A DISCIPLINE APPROACH

Whilst the living curriculum is acknowledged as an Institutional aspiration, there is a need for it to be localized to conform to Faculty objectives and Departmental strategies. Therefore the living curriculum at Unitec takes many guises and employs local solutions. One such solution is the approach taken within the Department of Performing and Screen Arts.

The programs offered within the Department of Performing and Screen Arts are based around the philosophy of fostering creative practitioners with both specialist knowledge and broad ranging abilities. Our courses are opportunities to expose students to situations of ambiguity, such as cultural diversity and intercultural awareness, so that understanding of how to respond to uncertainty is sharpened. This is particularly important in ‘creative arts’ departments such as Performing and Screen Arts where courses range across diverse content areas, such as contemporary dance to film editing to costume making. The unifying factor is a collaborative structure that offers a breadth of learning while extending and complementing the depth of study offered in the specialist areas. Desire for knowledge is the catalyst for enquiry to be conceptualized and articulated and the consequence of this are complex relationships where critical consciousness and student engagement evolve through pedagogical practice. The autonomy and potential of the learner is attained through the teacher/learner relationship using diverse forms of intercultural communication. This lifts the mana (authority) of the knowledge and the integrity of the institutional environment. This philosophy allows our graduates to communicate across traditional boundaries and within the burgeoning field of digital media content creation and analysis, while adapting quickly, appropriately and effectively in accordance with the demanding and fluid nature of the performing and screen art industries.

Employers, particularly those in small to medium sized enterprises such as those represented in the New Zealand performing and screen arts industries, increasingly require employees to combine expertise in a particular subject area with the capacity to work effectively across disciplines and to manage and thrive in multi-stakeholder environments (Oram, 2009). The New Zealand film industry is a mixture of local and international scale production with Hollywood blockbusters, local low budget features, world-class documentaries and syndicated TV series being made throughout the country. Similarly
dance and theatre rages from Opera and Ballet to regional theatre and local low budget artist generated work performing side by side. In this challenging and increasingly complex environment, employers are looking for people that can hit the ground running faster, covering more territory by applying a more creative and broader approach to work (Carden, 2007). They demand relevant skills, combined with adaptability and resilience. They seek people who have:

- The ability to work across functional boundaries and in changing environments;
- The ability to work with and relate to a diverse range of people;
- Not just technical competence, but broader character attributes.

To cater to this environment, learning and teaching are integrated throughout the department’s programs to establish connectivity for each student between the specialist, generalist and sometimes disparate content (Kember, 2009). Specialist discipline learning as well as broader domain concepts and industrial professional practices are delivered to all students at all levels with ever increasing complexity. The environment within which learning and teaching takes place is modeled using collaborative techniques (James, 2007). Learning and teaching takes place between, among, within and across groups and individuals. This is because the industry art forms that are represented in the departments’ domains of learning are essentially collaborative in nature and function. It is therefore a tenet of the ‘teaching’ to engage the ‘learning’ in a way that prepares students for their future work and life-long learning needs.

International post-secondary institutions have similarly recognized that providing opportunities for collaboration and cross-disciplinary contact can extend and expand on students’ learning and engagement with the subject matter concerned If, as Edmonds and Candy (Edmonds, and Candy, 2002). comment, “creativity can be characterized as a process toward achieving an outcome recognized as innovative”, then any educational situation that is already oriented towards disciplinary innovation will lend itself more readily to being a place where creativity can occur and be fostered. Regardless of disciplinary location, collaborative practice, which is sometimes referred to as inter-professional practice (McCallin, 2005), recognizes than in order to cope with increasingly complex work and practice environments, these real-world situations require professionals and practitioners who can, from within their disciplinary specializations, “… relate with many clients and institutions and collaborate with many professions” (McEwan, 1994).

Thus, where previously creativity was once recognized as the result of a singular talent working alone, a position similarly supported and enforced by older pedagogical models that dispersed and isolated students from each other across their various specializations, new pedagogical models, such as the living curricula model, recognize that intensive collaborative situations provide maximum opportunity for growth and creativity both within and between disciplinary environments (Mafe and Brown, 2006; Parr, 2007). There is a clear link between this practice and the workplace environments students’ move towards and into. As James (2007) notes “joint working is well established as an important
aspect of professional practice in schools and colleges” and this factor provides an important pedagogical correlation between the training institutions that seek to prepare students for careers, and the kinds of experiential situations that await graduates in the workplace.

Example 1: Reverse Engineering to Map the Curricula

An example of the approach used by the department to establish a curricula path has been to begin with each graduate profile statement and to reverse engineer them back into the curricula by mapping out the capabilities and learning opportunities offered by each. For example the profile statement – ‘Graduates will display the ability and desire to contribute to and advance the performing and screen arts industry’, relates to professional capabilities and attitudes to the work of the creative artist. To map this capability into a framework of learning opportunity the statement is considered in terms of its key words as demonstrated in Table 1:

<table>
<thead>
<tr>
<th>The <strong>ability</strong> to contribute:</th>
<th>Students acquire the technical and creative skills, and professional practices associated with the discipline.</th>
</tr>
</thead>
<tbody>
<tr>
<td>The <strong>ability and the desire</strong> to contribute:</td>
<td>Students acquire the technical and creative skills, and professional practices associated with the discipline in an environment of enquiry where they are required to actively seek the answers to a range of industrial questions.</td>
</tr>
<tr>
<td>The <strong>ability and the desire</strong> to contribute and to advance:</td>
<td>Students acquire the technical and creative skills, and professional practices associated with the discipline in an environment of enquiry where they are required to actively seek the answers to a range of industrial questions, and where they respond with new questions from active research, which are as yet unanswered. And other skill sets can be gained by:</td>
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<tr>
<td>The <strong>ability and desire</strong> to contribute:</td>
<td>Students lead discussion around new knowledge with other students and stakeholders.</td>
</tr>
<tr>
<td>The <strong>ability and desire</strong> to contribute:</td>
<td>Higher-level students pass basic skills to lower level students in mixed teams and model professional practice.</td>
</tr>
</tbody>
</table>

The capabilities uncovered in this way are then aligned to the appropriate year and level of learning.

7. LEARNING AND TEACHING PHILOSOPHY

The learning and teaching philosophy starting from Year I encompasses many different means of learning and teaching across a wide range of material in an explorative and receptive way. Formal lectures are supported by tutorials where the students are encouraged to develop their own opinions, to develop critical judgment, to be able to analyze situations and performances impartially and to further their own self-directed problem-solving ability (Kember, 2009). In order to constantly 'feed' these students with new stimuli, classroom projects, visiting speakers, critics and professionals act as role models and vehicles for new ideas; field trips, public discussions, seminars, peer assessment, small group analysis and small scale exercises are all encompassed, thus
fostering in the student an enquiring and suitably critical attitude (Pintrich and Schunk, 2002). Contemporary electronic facilities such as Moodle are used as a student-accessible repository for lecture material, course information, class notes, readings and links to key websites for extended bibliographies and further readings.

Student also need to develop means and methods of visualizing, communicating and creating across the barriers that traditionally have separated the Performing and Screen Arts (Parr, 2007). Production projects, lectures, tutorials and classroom exercises engage the student with problems, issues, technologies and theories that break down such traditional barriers. Courses are designed so that students of different major’s work alongside each other, discuss and/or swap roles, and collaborate on large-scale joint projects that run throughout the Program.

Thirdly, in order to survive and succeed in the Performing and Screen Arts of the future, students need to develop more effective inter-communication skills appropriately tailored to the Performing and Screen Arts environment and industries (Biggs and Tang, 2007). In order for the student to be able to synthesize such diverse and disparate factors such as people management skills, personal control, technical aptitude and professional responsibility the Department endeavors to put in place a focus on teamwork, on inter-communication skills tailored specifically to Performing and Screen Arts, and on courses that relate to, and tackle, real-world issues, challenges and opportunities.

**Example 2: Collaboration between Disciplines and Departments**

Whilst it may appear natural for collaboration to occur between Performing and Screen Arts disciplines, the living curriculum principles of student engagement across discipline fields is not limited to only one department or group of disciplines. The development of connective course content across the Faculty of Creative Industry and Business has established the sharing of student generated ‘texts’ as shared places of learning within a living curriculum context. Fig. 1 shows a range of discipline areas engaging on a shared project.

![Fig. 1: An Interdisciplinary Shared Project](image)

In this project, the Product Design students provide the objects that become the subject of the commercial. Public Relations and Marketing students create TV commercial
scenarios for the products with Production students. Performing and Screen Arts students then make the commercial with the Product students and the Communication students playing the role of ‘client’ in the scenario and on set. Each group of students brings their own creativity to the varying aspects of the project. Learning experiences throughout each course emphasize the links and application of theory/knowledge and work experience/practice. The collaboration ensures ‘conversations’ occur among students/teachers/participants. Knowledge is both applied in practice and drawn from practice. students, at times, learn as much from the learning process and from each other as from the content that is experienced during that process.

8. CONCLUSION

In order to achieve the above goals the programs becomes progressively more flexible and self-directed, with greater and greater opportunities for the students to tailor their own learning (Cairns and Stephenson, 2009). Formal lectures, technique and technical courses give way to complex industry modeled projects in order for the student to demonstrate capability and skill in specialized areas, with greater degrees of responsibility. This demonstration of capability is a key feature in Creative Arts education as Stephenson (1998) explains: Capable people not only know about their specialist’s; they also have the confidence to apply their knowledge and skills within varied and changing situations and to continue to develop their specialist knowledge and skills long after they have left formal education... Capability embraces competence but is also forward-looking, concerned with the realization of potential (Stephenson, 1998).

Courses are designed to ensure that contact with the outside world and internal academic development is:

- questioning (via field trips, cultural exchanges, visitors, guest professionals and artists)
- creatively explorative (via on-going interdisciplinary focus on joint complex projects and workshops)
- collaborative (via on-going interdisciplinary focus on joint complex projects and workshops)
- focused (both more formal and specialized, negotiated and self-directed ‘hands on’ courses are tailor-made via specific assessment, content and division of time to related practical vocational needs of the industry and to the abilities and needs of the individual students)

Learning takes place in theoretical, simulation, practice, collaborative & experimental production, public performance, practice based research, technical and self-directed settings. Different modes of delivery are utilized depending on the setting. In this unique multi-disciplinary environment it could be said that students, at times, learn as much from the learning process and from each other as from the content that is experienced during that process.
REFERENCES


REFERENCES


