Optometry Faculty Development Initiative

Leading change, learning globally, enabling vision for everyone...everywhere.
Faculty development is a tool for improving the educational vitality of institutions through attention to the competencies needed by individual teachers and institutes to promote academic and institutional excellence.

Brien Holden Vision Institute Academy is running an Optometry Faculty Development Initiative in 2018/19 to support and enhance the training of optometrists at emerging optometry schools across the world. The initiative aims to strengthen the faculty of optometry schools in their ability to design teaching for learning and to upskill their skills around Myopia Management.

A key aim of the initiative is to create an online community of faculty from emerging optometry schools to be able to share their experiences with each other and learn together to address many of the unique challenges they face in an emerging optometry school.

This initiative includes the EyeTeach© program; a strategic teaching development program, Managing Myopia; a continuing education course for optometrists, access to social responsibility modules and teaching and learning resources.

The EyeTeach© and Myopia courses are online, interactive learning experiences where the participants will work through modules participate in online discussions and interactive calls with course facilitators, fellow participants, global leaders and complete assessments that will enable their teaching practice.
# Proposed Schedule

<table>
<thead>
<tr>
<th>Program</th>
<th>Pre-requisites</th>
<th>Who</th>
<th>Start date (tent)</th>
<th>Length course</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EyeTeach® Educational Design for Learning (EDL)</strong></td>
<td>Minimum of 6 months teaching experience</td>
<td>Tenured &amp; sessional faculty (including service teachers)</td>
<td>1 Oct 2018</td>
<td>6 weeks ~4 hours/week</td>
</tr>
<tr>
<td><strong>EyeTeach® Assessment or Problem-based Learning (TBC)</strong></td>
<td>EDL</td>
<td>Tenured &amp; sessional faculty</td>
<td>4 Feb 2019</td>
<td>5 weeks ~4 hours/week</td>
</tr>
<tr>
<td><strong>Myopia Managing Myopia</strong></td>
<td>Registered Optometrist</td>
<td>Optom faculty</td>
<td>3 March 2019</td>
<td>4 weeks 6-8 hours total</td>
</tr>
<tr>
<td><strong>EyeTeach® Introduction to Clinical Teaching</strong></td>
<td>EDL</td>
<td>Tenured &amp; sessional faculty / clinic supervisors</td>
<td>20 May 2019</td>
<td>6 weeks ~4 hours/week</td>
</tr>
</tbody>
</table>

### Social responsibility modules

<table>
<thead>
<tr>
<th></th>
<th>Pre-requisites</th>
<th>Who</th>
<th>Start date (tent)</th>
<th>Length course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gender</td>
<td>None</td>
<td>All faculty &amp; visiting staff</td>
<td>Open - self paced</td>
<td>2 - 3 hours</td>
</tr>
<tr>
<td>Child Protection</td>
<td>None</td>
<td>All faculty &amp; visiting staff</td>
<td>Open - self paced</td>
<td>4 - 6 hours</td>
</tr>
</tbody>
</table>

1. Excludes an Induction Week
2. Service teaching usually involves a lecturer with specific expertise (for example chemistry, physics, maths) teaching students undertaking a degree program in a different department, discipline or faculty.
EyeTeach® is a strategic teaching development program for Optometry faculty across diverse contexts. It is designed to support institutional excellence and capacity. The EyeTeach program builds optometry educator confidence and competence to advance quality student outcomes and graduates. This is achieved by providing interactive, reflective and inquiry-based professional learning courses. Participation in the EyeTeach program also prepares faculty as emerging eye health leaders and educators. It operates as an interactive series of workshops and self-assessment exercises for the educator to follow and increase their skill level enabling them to better impart their expertise.

The EyeTeach program supports

• Transitioning from an eye care practitioner to an educator
• Curriculum design
• Effective teaching
• Designing and implementing problem-based learning
• Designing assessment to support learning and quality outcomes
• Clinical teaching and learning

The full Program is designed to be taken over 2-years. This initiative will include a truncated program to fit into 1 year (the foundational course - Educational Design for Learning; and two of advanced teaching strategy courses - Clinical Teaching; Problem-based Learning; Assessment for Learning. Final offering to be confirmed).

EyeTeach® Courses

<table>
<thead>
<tr>
<th>Foundations of student learning, course design &amp; evaluation of effectiveness</th>
<th>Educational Design for Learning (ETEDL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced teaching strategies</td>
<td>Clinical Teaching (ETCT)</td>
</tr>
<tr>
<td></td>
<td>Problem-based Learning (ETPBL)</td>
</tr>
<tr>
<td></td>
<td>Assessment for Learning (ETAFL)</td>
</tr>
</tbody>
</table>

The program is part of the Optometry Faculty Development Initiative (OFDI), that is aimed at strengthening faculty capacity in current optometry practices and education.

Accreditation

Certificates of successful completion are conferred by the Brien Holden Vision Academy. CPD accreditation is available in countries where this process is active.
Week 3! Halfway point already! Weeks are going by so quickly, so many things are happening around us. It is good to find time to work on this program. I found myself talking to others (friends and loved ones) not in the course about what I have been learning. It has been a journey of self-discovery - reflecting back on my past learning, I can see clearly now where things could have been better. But it’s not about me anymore, it’s about the students and how we can encourage them to learn more effectively (in a deep and active manner).

I am going to have (to) rustle a few feathers, encourage them [students] to further engage with what they are learning and that they can’t just sit-back and relax, like how I used to. I need to change their expectations of what class and learning should look like. I am not a “sage on a stage”; I want to be a facilitator on the students’ journey to constructing knowledge of their own.

It is very important to remember that students do not learn much just by sitting in classes listening to teachers, memorizing pre-packaged assignments, and spitting out answers. They must talk about what they are learning, write about it, relate it to past experiences and apply it to their daily lives. THEY MUST MAKE WHAT THEY LEARN PART OF THEMSELVES.
Managing Myopia is the revolutionary, patient focused education program based on the latest advances in research. It will change the way you understand myopia, help you identify candidates at risk and empower you with the skills to better-manage progressive myopia for your patients.

Why Myopia Management
By 2050, it’s predicted that 50% of the population will have myopia, with 10% having high levels of myopia (>−5.00D)\(^1\); creating a potential major public health crisis. Research shows that there are ways to delay the onset and manage the progression of myopia, giving better visual outcomes for the child\(^2\).

Course One – Managing Myopia

Course features
The Brien Holden Vision Institute’s Managing Myopia Course is the first of a two-course online learning program, connecting you with global leaders in myopia management through instructional videos, interactive case studies and case based discussion.

- Self-paced independent learning, with support from global leaders when you need it
- Online discussion forums
- Course handouts – yours to keep
- Certificate on completion
This course aims for practitioners to be able to use the latest research and clinical procedures to successfully implement an appropriate myopia management plan, in order to limit myopia progression in their patients.

The 6 one-hour modules are:

- **Module 1:** Epidemiology, etiology and risk assessment videos (50 minutes)
- **Module 2:** Risk assessment case studies (60 minutes)
- **Module 3:** Behavioural advice & spectacles (60 minutes)
- **Module 4:** Multifocal contact lenses & orthokeratology (60 minutes)
- **Module 5:** Low-dose atropine & clinical tools (50 minutes)
- **Module 6:** Panel case discussion (60 min)

We are a trusted education provider and these courses are accredited for continuing education points with Optometry Australia (OA) COPE (USA) and CET (UK).

**I took the Myopia Management Course and...**

“It was great to be able to get the latest evidence regarding myopia management and get ideas to try and implement it in everyday practice.”

“So much was presented in such a simple and practical way.”

“What was learnt could be applied instantly in practice.”

“The shared knowledge from the experts in the field and the summary/analysis of the research data were most helpful.”

“Excellent materials so that there is finally something I can do for young myopes or at risk myopes.”

“Good structure with the case studies and webinars reinforcing what you learn.”

**I think Optometrists are obligated to take a front line role in the management of myopia. If we can reduce Myopia by 40 or 50%, then that has a huge public health benefit. Professor Earl Smith III**

**Myopia Management Program**

1,742 participants to date

98% report the way they manage myopia has changed due to the course

100% of participants gained confidence in managing myopia after the course

70% will start to use at least one strategy to manage myopia as a result of the course

70% report persuading colleagues to make a change

95% will recommend the course to colleagues
With a commitment to human resource development and quality life-long learning, the Academy promotes the implementation of sustainable programs by creating and providing the educational support (courses, resources and advice) essential to human resource capacity building, especially in the developing context.

**Myopia Calculator**

The myopia calculator is designed to bridge the gap between research data and the end user. The tool shows the various management options / scenarios and demonstrates the possible benefits, over time, of starting to treat myopia progression.

The myopia calculator tool helps eye care practitioners, individuals and carers to apply the research based evidence for various management options and enables the practitioner to demonstrate and discuss risk versus benefit for individual cases.

**Key features:**

- Visual display of data
- Tailor to your patient
- Management options
- Easy to use
- Peer reviewed data
- Free to use
- Helps support patient and parent communications
- Helps improve treatment compliance

To learn more: https://calculator.brienholdenvision.org
Virtual Refractor

We believe in developing innovative global solutions to improve the efficacy, accuracy and quality of vision care education and ensure practitioners, students and teachers around the world have access to the latest learning and teaching methodology and technology.

Clinical refraction (or determining the spectacle or contact lens prescription) is one of the most important and fundamental clinical processes in optometry. It is the primary reason that people seek care of an optometrist. However, clinical refraction is not often taught correctly, due to lack of skilled educators, training materials and regulation of practice.

In response, the Brien Holden Vision Institute, in partnership with Bondi Labs, developed the Virtual Refractor, a web-based simulated learning environment that assists educators to teach refraction and students to learn how to perform a refraction.

The Virtual Refractor aims to:

- **Improve accuracy of refraction** – so people have spectacles that provide clear and comfortable vision
- **Reduce costs** – reducing supervised training and re-make of incorrect lenses
- **Save time** – practitioners are conducting refraction faster, whilst maintaining accuracy
- **Understand how refraction is performed around the world** so we can provide targeted interventions to improve

To learn more: https://www.virtualrefractor.com
GORP: Global Optometry Resource Platform

Is a suite of open educational resources that aim to facilitate the implementation, delivery and advancement of optometric education. By supplying course notes, PowerPoint slides and other tools for 24 course of a typical optometric program.

Compiled from

35 authors and
50 reviewers from
35 institutions

Over 2000 users from 96 countries

Languages: 🇬🇧 🇪🇸 🇫🇷 🇧🇷 🇨🇳
Social Responsibility courses: Gender Equity and Child Protection

Child Protection:
This short interactive self paced module enables you to understand what child protection is, and how to implement measures to safeguard children within eye health programs.

Gender Equity in Eye Health:
This interactive module will help you consider the impact equitable eye services can have on a girl or woman’s health, education, work and lifestyle. We will look at how to incorporate gender equity strategies in your programming to improve outcomes for girls, women and society as a whole.