Study in New Zealand at Otago Polytechnic

Study Abroad and Student Exchange

2017

Updated February 2017
Study
The New Zealand education system is amongst the best in the world making this country a great place to study. Otago Polytechnic offers internationally-recognised qualifications and has achieved the highest possible government endorsement for our performance which means that you can feel very confident about the quality of your learning.

Experience
With a population of four million people, New Zealand has a safe and multicultural environment and is one of the least crowded countries in the world. It is clean and green, has friendly people, an incredible culture and a real sense of community. Otago Polytechnic offers plenty of social activities so you get the chance to make friends and explore the ‘Kiwi’ lifestyle.

Travel and adventure
New Zealand is the adventure capital of the world. When you’re not studying, you have nature’s playground on your doorstep to enjoy. New Zealand’s beaches, forests and mountains are unforgettable and this is the perfect place to have fun and enjoy the outdoors.

World-class locations
Our Study Abroad and Exchange courses are offered at our Dunedin and Auckland campuses only. Dunedin is New Zealand’s student capital and the country’s centre of learning. It also boasts some of the world’s rarest wildlife and is only a short drive from the alpine landscape of Central Otago. Auckland is New Zealand’s largest city and the country’s centre of business and industry; often called ‘the City of Sails’, it offers vibrant city life and cultural activities but is still surrounded by stunning scenery.

Find out more: www.dunedin新西兰.com and www.auckland新西兰.com
We are a leader in hands-on, career-focused education and employers love our work-ready, motivated and confident graduates.

- 7,000+ full-time and part-time students
- 850 international students from 42 countries
- 98% graduates in work, study or both
- 100+ programmes, certificate to postgraduate
- Award-winning lecturers
- Strong links with industry
- Great student support services

Kia ora and welcome
Otago Polytechnic – a vibrant place to study!
Information Technology

At Otago Polytechnic’s College of Enterprise and Development we believe in creative thinking. Our courses facilitate students in a creative and innovative environment, while ensuring they have a solid understanding of information technology.

See more at www.op.ac.nz/it

15-credit courses (unless stated otherwise)

**Administrating a Virtual Infrastructure**
Learn how to install and maintain the main components of a computer.

**Advanced Networks**
To provide students with an understanding of how to evaluate and apply advanced networking protocols, services and concepts to the design, deployment and maintenance of medium to large scale networks.

**Algorithms and Data Structures**
Become acquainted with the wide variety of algorithms and data structures required for complex software development, develop your programming technique to an advanced level, and learn how to analyse the efficiency and correctness of a computational solution.

**Automation and Robotics**
Use microprocessors and sensors to build mobile, context-aware robots. Learn to programme classic robotic behaviours and add wireless communication to explore basic swarm algorithms.

**Computer Human Interaction**
To introduce students to the concepts of designing interactive products to support the way people communicate and interact in their everyday and working lives.

**Data Science and Machine Intelligence**
This course aims to provide a broad introduction to Machine Intelligence/ Data Science with an emphasis on the intuition and the applications behind the concepts. Students will be able to analyse a data problem and based on a reasoned argument choose and deploy the appropriate machine learning tool to solve the problem and obtain useful/actionable information from the raw data. Possible applications are: automated medical diagnosis, recommender systems, anomaly detection agents, pattern recognition, autonomous navigation, clustering, predictive systems, biometrics and a myriad of others.

**Databases 2**
Learn the fundamentals of relational database theory and how to design, build and use a database on a modern database management system.

**Design and Development of Applications for Mobile Devices**
Learn to use the Android Java libraries to build interactive, dynamic mobile applications.

**Developing Flexible IT Courses**
Prepare for the training role that is often performed by information technology professionals by identifying the training requirements associated with a new development. Prepare, conduct and evaluate appropriate training sessions.

**Embedded Systems**
Be introduced to the core principles of computer hardware and architecture and become acquainted with a range of embedded application contexts.

**Introduction to Networks**
Learn about fundamental networking concepts and technologies, by covering the basics of network theory and the skills needed to implement a simple network.

**Introduction to Systems Analysis**
Be introduced to business processes and information management in the information technology and related industries. Acquire knowledge about fundamental topics in business and, through a business context, learn about subjects in systems analysis and relational databases.

**Linux Operating Systems**
Gain experience in the installation, support, maintenance and administration of a Unix-based operating system.

**Maths for IT**
Learn about the mathematical concepts and methods that underpin and are directly applicable to the theory of information systems. This course is primarily sited within the field of discrete mathematics.

**Multimedia Development**
Become acquainted with multimedia and hypermedia development, focusing on the creation of multimedia materials using current industry-relevant applications. Theoretical material includes both technical issues in multimedia and design principles for artefact development.

**Next Generation Networked Hardware**
To expose students to current and upcoming developments in the context of networked hardware and apply those in a project-oriented environment.

**Object Orientated Systems Development**
Gain experience in the design and development of object-oriented software systems using an industry-relevant development platform. This course is ideal if you are an experienced programming student working at an advanced level.

**Operating Systems Concepts**
Learn about the major components of operating systems and the basic organisation of computer systems.

**Organisational Behaviour**
Students will evaluate, analyse and assess the impact that individuals, groups, and structures have on the behaviour of people within organisations. Students will develop an analytical awareness of their personal and interpersonal behaviour and the effect of that behaviour as members of formal and informal working groups. Students will synthesise an understanding of introductory social and psychological phenomena in organisations at individual, group and inter-group levels.

**PC Maintenance**
Discover how to install and maintain the main components of a computer. This course covers introductory aspects of both hardware and operating systems.
Professional Practice 1
Receive an overview of the fundamentals of communication studies in the information technology field. Gain an understanding of the fundamental principles and processes of communication, including an awareness of the multicultural influences in this context.

Professional Practice 2: Vocational Skills for IT
To develop effective workplace skills appropriate to the IT industry environment. This course applies in practice the interpersonal, written and oral presentation skills begun in the course IN501001 by exploring these skills in a team environment.

Programming 1
Learn about concepts of program design and programming fundamentals.

Programming 2
Build event-driven, GUI (Graphical User Interface) applications using pre-built controls. Be introduced to the theoretical issues involved in Object-Oriented analysis, design and programming, and the principles of correct design and implementation for applications of this type.

Programming 3
Extend your skills in object-oriented design and programming while introducing a full commercial programming language (Java as of 2009).

Programming 4
Improve your advanced programming and design skills in a modern computational context, such as games, modeling and simulation or artificial intelligence.

Project 1
To carry out advanced project work in the information technology field, applying skills learned in the degree programme. To demonstrate commitment, competence, creativity and craftsmanship throughout the process. To work with an external client.

Project 2 (30 credits)
To carry out advanced project work in the information technology field, applying skills learned in the degree programme. To demonstrate commitment, competence, creativity and craftsmanship throughout the process. To work with an external client.

Project Management: Managing Projects in the IT Industry (Level 6)
To carry out advanced project work in the information technology field, applying skills learned in the degree programme. To demonstrate commitment, competence, creativity and craftsmanship throughout the process. To work with an external client.

Web 1 – Technology & Development
Become acquainted with the range of available web-based tools for productivity, entertainment and communication. You are guided towards consideration of the social, academic, economic and cultural issues surrounding web-based interaction and are introduced to the technologies available for development of web-based functionality.

Web 2 – Programming
Receive a thorough introduction to modern techniques for adding programmed behaviours to web pages. The course will include a review of basic network architecture and currently supported HTML dialects, and will introduce appropriate tools and languages for adding programmed interactivity and dynamic database support to web pages. As this is a rapidly changing field, the contents and tools will be regularly reviewed and updated as required to maintain discipline currency.

Web 3 – Enterprise Development
Apply modern techniques in the design and delivery of information and functionality across the web. This course extends the skills and knowledge you gained during Web Programming and Development and will cover enterprise scale systems and complex architectures.

Information Technology
AUCKLAND INTERNATIONAL CAMPUS

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### Information Technology  >  DUNEDIN CAMPUS

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For more information, detailed course descriptions and to apply, see [www.op.ac.nz](http://www.op.ac.nz)
We offer the Bachelor of Engineering Technology with specialties in Mechanical, Electrical and Civil Engineering.

Our degree programme will equip you with the practical skills and specialised knowledge to have a successful career, anywhere in the world. With access to state-of-the-art facilities, you can expect hands-on learning taught by lecturers who are skilled and experienced in the engineering industries.

See more at www.op.ac.nz/engineering

15-credit courses (unless stated otherwise)

**Advanced Thermodynamics**
Apply knowledge of thermodynamics to industrial processes.

**Automation**
Expose the student to modern advanced automation systems and practice used in industry.

**Civil Engineering Construction Practices**
Develop an appreciation of the practical aspects of sound civil engineering construction practice.

**Civil Engineering Detailing and Modelling**
Further develop the principles and practice of civil engineering drawing, detailing and modelling.

**Civil Materials**
Introduce the fundamentals of geological and geomorphological processes and the properties and application of a range of civil engineering materials.

**Electrical and Electronic Principles 2**
To enable students to understand general electronics and the basic building blocks of electronics as required for subsequent courses.

**Electrical Fundamentals**
To enable students to learn electrical and electronic theory and how these are applied to mechanical engineering systems.

**Electrical Machine Dynamics**
To enable students to gain an understanding of AC electrical machine dynamics and control and power transformers.

**Electrical Machines**
Provide the students with an understanding of d.c. and a.c. electrical machines.

**Engineering Mathematics 1**
To enable students to gain an understanding of general mathematical principles and equip them with appropriate engineering mathematical skills to solve engineering problems.

**Elements of Power Engineering**
Provide the students with an understanding of general three-phase circuit theory principles and to equip them with the basic circuit theory skills needed for subsequent courses.

**Engineering Communication**
Enable students to communicate effectively in their professional environment.

**Engineering Computing**
Develop an understanding of computing principles and their use in engineering practice.

**Engineering Design and Drawing**
Provide students with an understanding of engineering design, drawing practice and modelling in an applied context.

**Engineering Management Principles**
Develop an understanding of the organisational and legal framework within which engineering is carried out.

**Engineering Mathematics 1**
Provide students with an understanding of general mathematical principles and equip them with appropriate engineering mathematical skills to solve engineering problems.

**Engineering Mechanics**
Provide students with an understanding of the fundamental principles and laws of mechanics.

**Engineering Site Investigation**
Introduce the principles and practice of geotechnical engineering in the context of civil engineering construction projects.

**Fluid Mechanics (Civil)**
Introduce and apply the principles of fluid mechanics to engineering hydraulic situations.

**Fluid Mechanics (Mech)**
Understand and apply the principles of fluid statics and dynamics to common engineering problems.

**Fluids Power and Advanced Fluid Mechanics**
Analyse specific problems, design solutions and evaluate fluid power systems in industrial engineering applications.

**Geotechnical Engineering**
Further develop an understanding of the principles and practice of geotechnical engineering.

**Highway Design and Maintenance**
Develop a knowledge of road design, roading project evaluation and maintenance management.

**Highway Engineering**
To enable students to gain an introduction to the fundamentals of road materials, road construction practices and road maintenance techniques, as well as principles of road drainage design.

**Instrumentation and Control 1**
Provide students with an introduction to the principles and applications of industrial instrumentation and control techniques.

**Land Surveying**
Introduce theoretical and practical concepts of land surveying.

**Manufacturing Processes and Production**
To enable students to apply engineering knowledge to common manufacturing processes, including quality control, inventory control, and scheduling and queuing.

**Materials Science**
Provide students with an understanding of the characteristics and properties of common engineering materials and introduce elements of biology and chemistry relevant to mechanical and process engineering.
Mechanical Design 1
Determine and apply the processes required to analyse engineering design problems and identify possible solutions.

Mechanical Design 2
Enhance the ability of students to apply the knowledge of engineering science gained in the mechanical compulsory papers, to plan and formulate solutions to problems based on “typical industry” scenarios, and to evaluate the solutions developed by others.

Mechanics of Machines
Apply problem solving skills to the dynamics of machines in particular power transmission systems.

PLC Programming 1
Introduce students to the use of plcs in industry and to provide skills with modern plc programming tools.

PLC Programming 2
Extend the students’ knowledge and programming skills for plcs, using advanced plc control techniques, to introduce the concepts of automation, networking and network programming.

Power Distribution
Provide the students with an understanding of three-phase power systems with an emphasis on distribution systems.

Power Systems
To enable students to gain an understanding of three-phase power generation and transmission systems with an emphasis on generation, transmission and distribution systems.

Professional Engineering Practice
Provide students with an understanding of the basic principles, concepts and techniques in engineering management and to acquaint them with the behavioural and industrial implications of management decisions on their work.

Provide students with an understanding of the financial and legal implications of management decisions in their work. Provide students with an understanding of the role of engineers in society.

Project Management
To enable students to apply project management principles, concepts and techniques.

Risk Management
To enable students to learn and apply the principles and processes of Risk Management in the context of engineering and business management.

Robotics
To enable students to become familiar with modern industrial robot concepts, applications and programming.

Strength of Materials 1
Develop problem solving skills in relation to strength of materials.

Strength of Materials 2
Apply problem solving skills to strength of materials.

Structural Principles
To enable students to apply principles and practices involved in the design of simple structures.

Sustainable Energy and Power Electronics
To enable students to develop an understanding of the concepts and applications of power electronics including basic converter types and applications involving small scale renewable energy systems.

Thermodynamics and Heat Transfer
Develop a sound knowledge of thermodynamic principles and systems.

Traffic Engineering
Critically appraise urban traffic engineering concepts and procedures.

Urban Transport Planning
Critically appraise transport planning concepts and procedures in the context of urban situations.

Water and Waste Engineering
To enable students to develop an understanding and design expertise related to water, wastewater and storm water reticulation systems.

Water and Waste Treatment
To enable students to develop understanding of drinking water and sewage quality control parameters of current and emerging methods of treatment and disposal of liquid and solid wastes.

Engineering Development Project (Credits: 30)
Provide the student with a significant amount of time in which to investigate an engineering problem; to propose, specify, design and develop a solution and where feasible, to construct and test a prototype.

NOTE: Information updated February 2017
# Bachelor of Engineering Technology  >  DUNEDIN CAMPUS

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For more information, detailed course descriptions and to apply, see [www.op.ac.nz](http://www.op.ac.nz)
Applied Physical Activity for Special Populations

The aim of the course is for the student to approach nutrition from an applied perspective. The student will investigate how issues in nutrition can affect patients and clients, and discuss how different health professionals can deliver nutritional information. The student will plan, design and manage a fitness programme for various client groups. Fitness assessment programmes for various client groups will be discussed. The course will review various models for rehabilitation and discuss current research and theory in physical activity and rehabilitation.

Anatomy and Physiology

The aim of this course is to introduce the student to the foundation of scientific knowledge required for professional practice. This includes the basic concepts, principles, and homeostatic mechanisms which determine the normal functioning of the human body.

Applied Nutrition

The aim of the course is for the student to approach nutrition from an applied perspective. The student will investigate how issues in nutrition can affect patients and clients, and discuss how different health professionals can address these issues across cultural groups. The delivery of nutrition advice in an applied environment will be discussed including being able to budget, plan and prepare a healthy meal. The student will look at ways in which health professionals can deliver nutritional information.

Applied Physical Activity for Special Populations

The aim of the course is for the student to look at physical activity rehabilitation in different settings. The management of sports injuries and disease rehabilitation (using cardiac rehabilitation and postural stability training) will be investigated. The course will provide an insight into physical activity management, planning, and prescription in rehabilitation. The course will give an understanding of how to deal with the patient/client as a whole, and cultural expectations. The course will review various models for rehabilitation and discuss current research and theory in physical activity and rehabilitation.

Communication and Coaching

To enable students to apply communication knowledge, and skills in the evolving context of New Zealand and global business.

Contemporary Issues in Physical Activity, Health and Wellbeing

The aim of the course is to consider a number of contemporary issues in physical activity, health, and wellness. The inter-relationship of health, physical activity and other related sciences in the promotion of wellness in the community will be discussed. Current research and practice in the area of physical activity, health, and wellness will be presented as it applies to New Zealand. Finally physical activity, health, and wellness will be discussed in terms of preventative strategies for disease prevention.

Fitness Assessment

The aim of the course is to provide theoretical and practical understanding of fitness assessment. Fitness assessment programmes for various client groups will be discussed. The student will plan, design and manage a fitness assessment programme that is appropriate to the needs of the client, athlete or sport.

Health in the Context of Aotearoa NZ

The aim of this course is for students to understand the structures that underpin New Zealand’s healthcare system. At the successful completion of the course, students will be able to discuss historical, cultural, socioeconomic and environmental influences on health in Aotearoa New Zealand.

Introduction to Nutrition

The aim of the course is to enable the student to gain a basic knowledge of nutrition as it relates to optimal health, different populations and physical activity.

Issues in Weight Management

The aim of the course is for the student to look at how to manage weight through physical activity and nutrition. Obesity is a significant challenge facing the New Zealand health sector, health policy makers, and all sectors of the population. The complexities of the weight management issue and the debate about weight and health will be explored. The student will also look at the underlying physiology of obesity.

Movement Analysis and Skill Acquisition

To understand skill acquisition and movement analysis as it relates to current research literature, showing its application to assessing and improving a range of movements in various populations.

Physical Activity and Public Health

The aim of the course is to investigate the role of physical activity within the public health domain. The course will extend the student’s knowledge of the effects of physical activity on health from an applied perspective. It will also consider the methods used to evaluate the benefits and hazards related to physical activity and health. The influence of physical activity on a number of diseases and conditions will be examined. The models of physical activity referral that exist in New Zealand will be discussed.

Physical Activity in Disability and Disease

The aim of the course is to enable the student to develop an understanding of issues related to physical activity for people with disabilities and disease. Included will be an introduction to key New Zealand documents relevant to disability including a history of disability support services in New Zealand. The student will also be introduced to issues relating to prescription of physical activity to individuals with disabilities or disease.

Physical Activity, Lifestyle and Health

The aim of the course is to provide the student with a broad introduction to selected contemporary health and lifestyle issues. Students will gain an appreciation of the importance of the roles that physical activity, lifestyle and nutrition play in determining the “health of the nation”.

Physiology of Physical Activity in Aging

The aim of the course is to look at the physiology of physical activity as it pertains to life stages, from childhood to the elderly. The course will explore issues and misconceptions surrounding physical activity across age groups. The effect of aging on an individual’s ability to undertake physical activity will be evaluated.

Placement 1

The aim of the course is to enable the student to develop introductory workplace skills through the application of theory to the practical aspects of their profession in a supervised placement. The student will be introduced to core competency consistent with professional practice within a supervised framework.
# Institute of Sport and Adventure > DUNEDIN CAMPUS

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<th>Level</th>
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**Placement 2**  
The aim of the course is to enable the student to develop a critical analysis of the application of theory to the practical aspects of their profession in a supervised placement. The student will develop a level of competency consistent with professional practice within a supervised framework.

**Professional Theory and Practice**  
The aim of this course is to provide the opportunity to develop the theoretical knowledge and skills related to effective practice in the assessment of health, wellness and motivational interviewing for health behaviour change. On completion of the course the student will be able to undertake health assessment of an individual and apply this knowledge to practice.

**Promoting Health and Wellness**  
This course aims to introduce the student to the philosophy, principles and practice of health promotion and how this influences individual and population health throughout the lifespan.

**Psychology of Health and Physical Activity**  
The aim of this course is to gain greater understanding of the psychological basis of disease, and managing individuals undertaking physical activity for health reasons. The course will introduce the student to key findings which determine whether people start, maintain or stop physical activity and how practitioners can be sensitive to cultural differences. The psychological benefits that accrue from an active lifestyle are investigated, together with strategies to increase physical activity for health reasons.

**Social Sciences and Human Activity**  
The aim of this course is for students to understand how social sciences can be applied to understanding health, wellbeing and physical activity among groups of people. At the successful completion of the course, students will be able to identify key sociological and anthropological concepts when assessing human activity and interpreting meaning relative to New Zealand.
Design

Designers help create the future – the School of Design at Otago Polytechnic invites you to be a part of it! We describe our School as ‘boutique’ – we offer small class sizes in immersive studio environments and pride ourselves on knowing our students individually.

Areas of study: Communication, Fashion and Product

See more at www.op.ac.nz/design

Bachelor of Design (Communication)

(Year one courses are available on request)

15-credit courses (unless stated otherwise)

Semester One

Year 2

Special Topic 2
Develop skills and knowledge by practising a range of communication techniques, including text and image, sound and time, and enhance your ability to communicate ideas through storytelling and presentation. Explore New Zealand and international design constructs and practices, including development of cultural perspectives, approaches and responses to sustainable design practice.

Graphic Design 3
Further develop your understanding of contemporary illustration practices and design skills for application to a variety of graphic outcomes.

Design for Screen 3 (Web and Interactive or Film and Motion Graphics)
WEB: To develop the knowledge and skillsets used in creating web design, visual design and animation for interactive games. Students will model industry standards and best practices for the complex workflows involved in web and interactive projects.

FILM: To further students understanding of tools and applications used in creating motion graphics and animation as well as film and digital video in a professional context.

Studio Workshops 2
Broaden or deepen your design practice through a range of options such as jewellery, animation, film, fashion photography, web design, life drawing and footwear.

Year 3

Communication Design Studio 2
Become familiar with interaction design techniques and develop an appreciation of user needs in the computer-human interaction paradigm.

Communication Design Studio 3
Develop professional practice expectations and experiences through applied learning in a design studio environment.

Strategic Design
Students define their personal design philosophy and potential career pathways by exploring the professional and strategic requirements of the design industry.

Studio Workshops 3
Broaden or deepen your design practice through a range of options such as jewellery, animation, film, fashion photography, web design, life drawing and footwear.

Semester Two

Year 2

Special Topic 2
Develop skills and knowledge by practising a range of communication techniques, including text and image, sound and time, and enhance your ability to communicate ideas through storytelling and presentation. Explore New Zealand and international design constructs and practices, including development of cultural perspectives, approaches and responses to sustainable design practice.

Communication Design Studio 1
Design a targeted integrated communication event with outcomes in a variety of print, web and film-based media

Graphic Design 4
Further develop an understanding and appropriate use of typography and image in a range of scales, formats and environments. Introduction to market research, positioning and branding.

Interdisciplinary Studio 2
Allows students to explore interdisciplinary design perspectives and approaches through a team-based integrated project

Year 3

Communication Design Studio 2
Become familiar with interaction design techniques and develop an appreciation of user needs in the computer-human interaction paradigm.

Communication Design Studio 3
Develop professional practice expectations and experiences through applied learning in a design studio environment.

Strategic Design
Students define their personal design philosophy and potential career pathways by exploring the professional and strategic requirements of the design industry.

Studio Workshops 3
Broaden or deepen your design practice through a range of options such as jewellery, animation, film, fashion photography, web design, life drawing and footwear.

For more information, detailed course descriptions and to apply, see www.op.ac.nz
To develop a portfolio that describes and presents major design projects, which will enhance their discipline-specific learning through either an individual or team-based integrated project. Students may be developed further in Studio 4. Students are expected to take significant responsibility for the whole project from inception to completion with supervisory support provided.

**Applied Design Methods**
To survey, select and apply suitable design methods as a catalyst for the development of innovative and sustainable product services and processes.

**Product Design Studio 2**
This course will provide the opportunity for students to research and develop ideas in response to a brief. Students will continue to analyse and interpret a brief, and be responsible for developing design concepts. The emphasis is on research, experimentation, problem solving and appropriate selection of concept development and presentation techniques to achieve a quality outcome.

**Studio Workshops 2**
Broaden or deepen your design practice through a range of options such as jewellery, animation, film, fashion photography, web design, life drawing and footwear.

**Design Lab 3**
To develop a concept for a large scale commercial design project within the framework of sustainable design.

**Product Design Studio 3**
To provide students with the opportunity to develop their own brief for a product design project. The student will carry out the entire design process from research, analysis, brief refinement, concept development, prototyping and presentation communication. A successful outcome from this studio may be developed further in Studio 4. Students are expected to take significant responsibility for the whole project from inception to completion with supervisory support provided. Students define their personal design philosophy and potential career pathways by exploring the professional and strategic requirements of the design industry.

**Studio Workshops 3**
Broaden or deepen your design practice through a range of options such as jewellery, animation, film, fashion photography, web design, life drawing and footwear.

**Semester Two**

**Year 2**

**Materials, Manufacturing and Production**
The aim of this course is to explore a range of materials and production processes required specifying product design solutions.

**Design Lab 2**
This course will provide the opportunity for students to research and develop ideas in response to a brief. Students will continue to analyse and interpret a brief, and be responsible for developing design concepts. The emphasis is on research, experimentation, problem solving and appropriate selection of concept development and presentation techniques to achieve a quality outcome.

**Rapid Prototyping**
To extend the material understanding, skill and technical knowledge required to visualise design concepts. The emphasis is on research, experimentation, and appropriate selection of techniques through a series of exercises to develop rapid prototypes for design communication.

**Interdisciplinary Studio 2**
Allows students to explore interdisciplinary design perspectives and approaches through a team-based integrated project.

**Year 3**

**Interdisciplinary Studio 3**
To allow students to further explore design perspectives and approaches which will enhance their discipline-specific learning through either an individual or team-based integrated project.

**Portfolio Design**
To develop a portfolio that describes and presents major design project outcomes and provides evidence of individual design literacy and subject knowledge.
Semester One

Undergraduate (BVA)  (Level 6)

Year 2

(60 credits equivalent to 30 credits ECTS)

> Studio Methodologies (BVA year 2)  15 Credits
> Studio Practice 3 (A,B,C) (BVA year 2)  45 Credits

Studio Methodologies covers drawing for studio and a range of approaches to studio making in year 2 of the BVA. It considers important works, contexts and concepts of making in the visual arts, enabling you to recognise and develop models and practice for studio in semester one.

Studio Practice allows you to develop your practical skills within our nationally-unique range of workshops. You can choose from our wide range of studio subject areas – Ceramics, Drawing, Jewellery and Metalsmithing, Painting, Photography and Electronic Arts, Printmaking, Sculpture, Textiles, and Theory and History of Art.

Year 2 of our BVA Studio Practice 3 (A,B,C) enables exchange and/or Study Abroad students to have a flexibility to combine work in different studios during their time at the DSA (this option requires forward planning with the International Liaison for the DSA, and each studio coordinator of the chosen studio).

Studio Practice 3 (A,B,C) are papers set by each studio covering specific skills and studio specific theory relating to that studio’s history and contemporary engagements.

Year 3  (Level 7)

(60 credits equivalent to 30 credits ECTS)

> Studio Research (BVA year 3)  15 Credits
> Studio Practice 5 (BVA year 3)  45 Credits

The Studio Research course strengthens students’ engagement with and understanding of a range of contemporary Art History and Theory research approaches in order to demonstrate essay writing and seminar presentation skills relevant to their practice.

Studio Practice allows you to develop your practical skills within our nationally-unique range of workshops. You can choose from our wide range of studio subject areas – Ceramics, Drawing, Jewellery and Metalsmithing, Painting, Photography and Electronic Arts, Printmaking, Sculpture, Textiles, and Theory and History of Art.

Year 3 of our BVA Studio Practice 5 is based on the beginnings of a sustainable individual project. Students are guided through individual and group teaching and learning situations to extend and challenge their practice as it relates to students’ individual developing projects.
Applied Management
Students will develop competency through applying management concepts.

Assurance and Auditing
The aim of this course is to enable students to develop and utilise generic and technical knowledge and skills specified by the modern auditing and assurance profession.

Business and Society
Students will analyse a range of philosophies, concepts and theories of the sociology of work, business ethics and sustainability and apply their understanding in societal and organisational contexts.

Business Computing
Students will understand, discuss, evaluate and apply information technology to meet business requirements.

Business Heritage, Culture and Sustainability
The aim of this course is to develop and enhance the students’ awareness and knowledge of New Zealand in terms of its history, heritage and business development by exploring key historical events that have occurred within this cultural, political and social framework. This course will develop the students’ understanding of how culture, heritage and business are contributing to the development of New Zealand society and why and how these values and qualities should be protected and enhanced for future generations.

Business Statistical Analysis
To enable students to make sense of numbers, graphs and fundamental statistical concepts; and to use, interpret and report them in a meaningful way in business practice. This paper also provides a foundation for further study, research and project management requiring an analytical approach.

Business Transformation and Change
This course will give students an insight into the excitement and challenge associated with introducing change, especially strategic change in organisations. It will examine the forces that impact on an organisation in today’s business environment such as the pressures of deregulation, privatisation, social renewal, globalisation and other external and internal factors. Having identified the forces that drive strategic change, issues associated with articulating a vision of strategic change and the practical aspects of implementing change will be addressed. The student will explore what it means to be a change agent in an organisation. The student will learn how to align business strategy, culture and management capability in order to match the level of turbulence within the organisation’s operating environment.

Commercial Law – AUCKLAND ONLY
Students will demonstrate knowledge of commercial law, to enable application of legal reasoning.

Consumer Behaviour
Students will understand buyer behaviour and develop appropriate marketing communication strategies to reach consumer and organisation markets.

Contemporary Issues in the Hotel Industry – AUCKLAND ONLY
To critically examine contemporary issues in the hotel industry. The issues selected for study will reflect the dynamic nature of the hotel industry.

Contemporary Issues in Human Resource Management
The learner will critically examine contemporary issues in human resource management locally, nationally and internationally. Once identified the issues will be evaluated for their impact on the human resource professional and the human resource function within the organisation. The issues researched and analysed will reflect the dynamic nature of the current HRM environment.

Contemporary Issues in the Tourism Industry
To critically examine contemporary issues in the tourism industry. The issues selected for study will reflect the dynamic nature of the tourism industry.

Destination Management
Students will demonstrate a deep understanding of the multifaceted and complex, strategies and practices involved with the management of a sustainable tourist destination.

Economics
Students will apply elements of economic theory to contemporary business issues.

Entrepreneurship – AUCKLAND ONLY
Students will acquire a broad overview of the principles, theories and practice of entrepreneurship as well as analyse the significance of entrepreneurial activity to economic well-being. They will explore the key resources, skills, techniques, attitudes and ethics required to operate successfully in an entrepreneurial environment. Students will also examine the role of governments and other regulatory bodies in fostering entrepreneurial activity.

Event Logistics
To enable students to develop an understanding of and an appreciation for conceptual thinking, strategic planning and tactical implementation of operational systems and processes to achieve event and management performance outcome.

Event Marketing and Sponsorship
The purpose of this course is to apply current theory and practice in analysing, planning, monitoring, evaluating and controlling the marketing efforts related to events.
Event Planning and Management
Use contemporary project management, event and conference planning theory in the planning, management and evaluation of events and conferences. You will be asked to demonstrate the use of creative design tools and techniques in your plan and to utilise project planning and generic management models and software applicable to the event.

Event Project
To enable students to plan, create, manage, implement and evaluate an event or event related project. This will involve self-managed responsibility, negotiated with agreed parameters of accountability, for delivery of outcomes as part of a project team and working with a client.

Facilities Management – AUCKLAND ONLY
The aim of this course is to provide students with the skills, knowledge and aptitude to develop an understanding of facilities management within the hotel industry. Students will examine and evaluate key functions and responsibilities in the management and operation of specialised facilities, property and inventories.

Human Resources Management
Students will understand the roles, functions and application of human resource management within contemporary New Zealand organisations.

Implementing Sustainable Practice – AUCKLAND ONLY
Students will understand the mechanisms of social change and to gain action competence skills required to implement a social/environmental action.

Industry Project for Professional Accounting (45 credits)
Students will collect, interpret, present and use relevant management information.

Industrial Relations
Students will apply knowledge of current Industrial Relations legislation, processes and practices, and understand the relationship of the parties involved.

Intermediate Financial Accounting
Students will apply the regulatory and technical aspects of financial accounting and external reporting for companies and evaluate financial and non-financial information.

Intermediate Management Accounting
Students will collect, interpret, present and use relevant management accounting information for an organisation to effectively plan, control and make appropriate decisions regarding business operations.

International Marketing
This course is designed to provide students with an understanding of marketing from an international perspective. The increased access to new markets across the world means that both opportunities and threats face marketers in the global context. Understanding cultural issues remains a key challenge, along with the ability to communicate effectively to perhaps a very different target audience. International marketing examines a range of case examples in a number of countries in the rapidly changing global trends. This course will enable students to analyse marketing issues in an international context by providing a range of theoretical frameworks and examples, allowing students to apply relevant theories.

Internship Project (60 credits)
Students will develop capabilities related to a chosen area of specialisation, in a ‘hands-on’ immersion in industry practice. To enable students to apply their learning, test the relevance of academic theories to the workplace and to reflect critically on this relationship between their academic study and industry practice. To enable students to carry out a significant work assignment for the host organisation on a topic in a field allied to their major and present a project report in conjunction with an academic supervisor. The project forms the final component of the programme and requires students to produce work of the highest quality as evidence of their development.

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Students will apply knowledge of current Industrial Relations legislation, processes and practices, and understand the relationship of the parties involved.

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Introduction to Accounting
Students will understand financial statements and reports and be able to analyse and interpret these for decision-making purposes.

Introduction to Finance
Students will apply financial management knowledge and skills to a small or medium size business for decision-making purposes.

Introduction to Marketing
Students will have a working knowledge of fundamental marketing concepts relevant to contemporary organisations.

Management
Students will understand the factors that influence management and the organisation and apply a range of factors.

Managing for Growth – AUCKLAND ONLY
Students will critically evaluate the challenge of managing change in organisations that aspire to pursue high growth, innovation, globalisation and/or entrepreneurial strategies. The central themes are the impact and imprint of the owner/key executive on the company and the development of cross-functional systems that will lead to sustainable growth.

Marketing Development
To enable students to understand and apply the principles and practices of personal selling, as used by organisations to develop long-term partnerships with customers; and the importance of personal selling to organisational performance.

Marketing Planning and Control
Students will produce an operational marketing plan for a market or business of interest.

Organisational Behaviour
Students will evaluate, analyse and assess the impact that individuals, groups, and structures have on the behaviour of people within organisations. Students will develop an analytical awareness of their personal and interpersonal behaviour and the effect of that behaviour as members of formal and informal working groups. Students will synthesise an understanding of introductory social and psychological phenomena in organisations at individual, group and inter-group levels.

Principles of Leadership
Students will understand concepts and apply principles of leadership. Students will create a personal plan to develop leadership capabilities.

Professional Communication
Students will apply communication knowledge and skills in the evolving context of New Zealand and global business.

Project Management
This course will enable the student to learn the basic principles and terminology of project management, and apply this to create project plans using project management software (MS Project®). Covers Gantt chart, work breakdown structure (WBS), links, resources, and costs.

Research Methodology
To introduce students to the key analytical tools used within business and the implications for managerial decisions. Students will learn to apply appropriate research methodologies to identify and solve a business related problem.

Rooms Division Operations Management – AUCKLAND ONLY
The aim of this course is to provide students with the skills, knowledge and aptitude to develop, implement and monitor management planning in the operations of the front office and housekeeping division. Students will be able to explore and evaluate the current management practice required by the sector and make the appropriate management responses to changes in the operating environments through the analysis of each of the fundamental management issues used in a quality accommodation service operation.

Services Marketing Management
Students will understand the roles, functions and application of services marketing management within contemporary New Zealand organisations. They will explore the key resources, skills, techniques, attitudes and ethics required to operate successfully in a range of service environments.

Strategic Management
The aim of this course is to give the student an understanding of the application of strategic management and the management processes aimed at improving organisational effectiveness by means of a systematic set of strategic goals, plans and actions.

Taxation in NZ
Students will apply knowledge of taxation rules to New Zealand taxable entities in a range of situations.

The Law of Business Entities
Students will demonstrate an understanding of the legal requirements for establishment, operation and the cessation as applied to various forms of business entity.
### Applied Business > DUNEDIN CAMPUS

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*Level 7 papers will generally need to be studied prior to this.

**Students must have completed all relevant accounting papers at level 6 and 7 prior to studying this paper.

*** Level 5 courses are first year degree papers

### Study Block Dates 2017 > DUNEDIN CAMPUS

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For more information, detailed course descriptions and to apply, see [www.op.ac.nz](http://www.op.ac.nz)
# Applied Business

## AUCKLAND INTERNATIONAL CAMPUS

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## Study Block Dates 2017

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<thead>
<tr>
<th>Study Block</th>
<th>Dates</th>
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<tbody>
<tr>
<td>Study Block 1</td>
<td>16 January – 10 March</td>
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<tr>
<td>Study Block 2</td>
<td>27 March – 19 May</td>
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<tr>
<td>Study Block 3</td>
<td>6 June – 28 July</td>
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<tr>
<td>Study Block 4</td>
<td>14 August – 6 October</td>
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<td>Study Block 5</td>
<td>24 October – 15 December</td>
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</table>

**PLEASE NOTE:**

Otago Polytechnic has agreed to observe and be bound by the Code of Practice for the Pastoral Care of International Students published by the Minister of Education. Copies are available at [www.minedu.govt.nz](http://www.minedu.govt.nz)

**IMMIGRATION:** Full details of visa and permit requirements, advice on rights to employment in New Zealand while studying, and reporting requirements are available through the New Zealand Immigration Service, see [www.immigration.govt.nz](http://www.immigration.govt.nz)

**ELIGIBILITY FOR HEALTH SERVICES:** Most international students are not entitled to publicly funded health services while in New Zealand. If you receive medical treatment during your visit, you may be liable for the full costs of that treatment. Full details on entitlements to publicly-funded health services are available at [www.moh.govt.nz](http://www.moh.govt.nz)

**ACCIDENT INSURANCE:** The Accident Compensation Corporation provides accident insurance for all New Zealand citizens, residents and temporary visitors to New Zealand, but you may still be liable for all other medical and related costs. See [www.acc.co.nz](http://www.acc.co.nz)

**MEDICAL AND TRAVEL INSURANCE:** International students must have appropriate and current medical and travel insurance while studying in New Zealand.

**REFUND POLICY:** Terms and conditions, including our refund policy, can be found at [www.op.ac.nz/termsandconditions](http://www.op.ac.nz/termsandconditions)
Study Abroad or Student Exchange?

The academic year at Otago Polytechnic

The Dunedin campus has two semesters:
- Semester One, which begins in February
- Semester Two, which begins in July.

As a Study Abroad or Exchange student, you can enrol for one or two semesters (two semesters is a full year). You will create your own full-time programme and can begin study in either Semester One or Semester Two.

The Auckland International Campus has five intakes (study blocks):
- January
- March
- June
- August
- October.

As a Study Abroad or Exchange student, you can enrol for two or four blocks (four blocks is a full year).

Study Abroad
- You will pay fees to Otago Polytechnic.
- You must check with your institution's international or study abroad office about credit towards your home degree.

Study Abroad fees
The Study Abroad fee for 2016 is NZ$38,000-NZ$48,000 per semester of full-time study. You will need to pay for medical and travel insurance and some supplementary fees. Study Abroad students will pay fees directly to Otago Polytechnic.

Student Exchange
You can apply for Exchange if your institution is an Otago Polytechnic partner through an exchange agreement.
- You must be nominated for the programme by the study abroad or international office of your institution. If selected, you remain enrolled with your institution.
- You continue to pay your home institution fees, and do not pay Otago Polytechnic tuition fees. However, you will need to pay for medical and travel insurance and some supplementary fees.
- The courses you study may be credited towards your home degree. See our exchange partner institutions on our website.

PLEASE NOTE:
Programmes included in this booklet are intended as a guide only. Admittance of Study Abroad and Exchange students to these courses will be determined by places available and academic eligibility. Programmes at Otago Polytechnic are run subject to a minimum number of enrolments being reached and all courses may not be offered each year. Fees and programme information may be subject to change. Please contact us to discuss your course preferences and your application.

Are you eligible?
To be eligible to apply for Study Abroad or Student Exchange you should have:
- completed at least one year of study at an accredited tertiary institution outside of New Zealand. US students are expected to be in their Junior year.
- current enrolment at an accredited tertiary institution,
- a cumulative grade point average (GPA) of 3.0 or greater (USA), or have “credit”, “good”, or above average results.

Study options and prerequisites
In order to maintain full-time status you will be required to select a minimum of 60 credits per semester (our courses range from 15 to 45 credits each). You will need to consider alternative courses should any of your first choices be unavailable. We suggest you select up to eight courses, listed in order of preference, and include this with your application. We will contact you to discuss your selection after you apply.

Your study at Otago Polytechnic can be cross-credited back to your home institution before beginning study. Any combination of courses is possible; however, for some of our courses you need to have existing knowledge in the subject area. Please look at Otago Polytechnic’s website to find the prerequisites for your chosen courses.

Portfolios
Some of our courses, particularly in the area of Art or Design, will require you to submit a portfolio to show your skill level. Portfolio requirements can be found on our website or in our Programme Guide.

Your study results
Upon completion of your programme, you will receive a Notification of Course Results. You may also request an official academic transcript detailing these results to present to your home institution.

English language requirements
If English is not your first language, you must show proficiency in English through:
- an IELTS overall band score (academic) of 6.0 (with no individual band score less than 6.0, or equivalent)
- evidence of previous tertiary-level study in English.

Please contact us for other acceptable English language test results.

Student visa
International students in New Zealand require a student visa to enter the country. Please visit www.immigration.govt.nz for information on obtaining a student visa.

How to apply
Applying for Study Abroad or Student Exchange is a simple process. All you need to do is:
1. Complete the Otago Polytechnic International Student Application Form which is available online at www.op.ac.nz
2. Include all the following information that is required:
   - Original or certified copies of all previous tertiary-level studies undertaken (a full academic transcript showing all subjects attempted, including failures, marks or grades)
   - Evidence of English language proficiency
   - A key/guide to the grading system must also be included
   - Documents not in English must be accompanied by official English language translations
   - You need to provide a certified copy in English of your birth certificate or the personal details page of your passport. You can send us a scanned copy to begin your application.
   - Letter of motivation (one page).
3. Please provide a reliable and clear email address as most communication will be carried out this way.
4. If you have completed a paper form, please scan it and email it to: studyabroad@op.ac.nz

Application closing dates
For study beginning in Semester One: 1 November
For study beginning in Semester Two: 1 May

Processing your application
Our International Office will process your application and advise you of its progress. They will also contact you if we need additional information.

If successful, you will receive a Letter of Offer from Otago Polytechnic. Details of how to accept this offer will be included in your Offer of Place package.

Have a question? We’re here to help!
From the moment you consider Otago Polytechnic, to the moment you arrive on campus, we’re here to help you with your questions or problems.

Contact us:
Otago Polytechnic +64 3 477 3014
Email studyabroad@op.ac.nz
www.op.ac.nz

F Block, Forth Street, Dunedin, New Zealand 9016
Postal address: Private Bag 1910, Dunedin, New Zealand 9054

Email studyabroad@op.ac.nz For more information, detailed course descriptions and to apply, see www.op.ac.nz

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