



FACULTY OF SCIENCE, TECHNOLOGY AND ENGINEERING

## BRIDGING COURSE IN CHEMISTRY – 2009/2010

### *AIMS OF THE COURSE*

The Chemistry Bridging Course is designed to provide basic concepts in Chemistry and to develop academic skills in order to effectively study chemistry at first-year University level. This course is intended for students who have not completed chemistry at Year 12 level. It is also suitable as a refresher course for mature age students seeking to update their knowledge in this area and to assist their application for entry into science degree programs. This Bridging Course is designed as a preparatory program for entry into the first year subject "Chemistry Basic" at La Trobe University.

It is expected that during the Chemistry Bridging program, some sessions will take the form of practical classes.

### *Subject areas covered*

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| <ul style="list-style-type: none"><li>• atomic theory and the mole</li><li>• electron configuration and the periodic table</li><li>• chemical bonds and structures</li><li>• chemical compounds and formulae</li><li>• kinetic theory of matter</li><li>• gas laws and the general gas equation</li></ul> | <ul style="list-style-type: none"><li>• mathematics for chemists</li><li>• physics for chemists</li><li>• chemical equilibrium &amp; reaction rates</li><li>• energy changes in chemical reactions</li><li>• redox and electrochemistry</li><li>• organic chemistry and functional groups</li></ul> |
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### *Please Note:*

1. This Bridging Course is designed as a preparatory program for entry into the first year subject "Chemistry Basic" at La Trobe University. Current VCE students must satisfy the normal tertiary entry requirements for courses and may not substitute bridging course programs for prerequisite studies. Successful completion of this program **does not** guarantee selection.

2. This program will not be considered as meeting the entry requirements for **Medical Science** and **Nutritional Science**.

This course is offered part-time. The course aim is to prepare students to sit and pass a year 12 (VCE) level exam as a measure of their preparedness to commence University-level studies in Science and related fields.

## Course Dates & Times

### **Part 1**

**Monday 26 October 2009** concluding on **Wednesday 9 December 2009**

7 weeks in total -Two nights a week, 3hrs. per night

### **Part 2**

**Monday 4 January 2010** concluding on **Wednesday 3 February 2010**

5 weeks in total -Two nights a week, 3hrs. per night

**Class times:** - 6 pm – 9pm

**Venue:** - Room 219 Physical Science Building 3, Level 2

## ***Payment***

The full fee for the course is **\$600.00** and the concession fee is **\$475.00**.

Students who successfully complete this program and enroll in a science course within this faculty will be eligible for a \$100 refund after the semester one enrolment census date

***If you are claiming the concession fee please enclose evidence of:***

- being a full-time student or (student card and/or letter from home institution)
- being a health care card holder (unemployed, pensioner, etc).

Please see the information sheet for details of the withdrawal policy. Fees must be paid by cheque or money order and should be made payable to La Trobe University.

Payment must accompany this form and be sent to:

Bridging Course Coordinator  
Faculty of Science, Technology and Engineering  
La Trobe University  
Bundoora VIC 3086

## ***Course Viability***

Course viability is subject to a pre-determined minimum enrolment. If the target enrolment is not achieved, the Faculty reserves the right not to run the course. If the course does not run you will be notified in writing one week before the course commencement date and you will receive a full refund of fees.

***Class Size:*** A Maximum of 20 students

## ***Withdrawal Policy***

As places are limited, withdrawal in the week preceding commencement will incur a fee of \$75 (prior to this \$30). No refund is available for withdrawal once the course has commenced.

## ***About the Chemistry Bridging Course***

The **course** caters primarily to students who seek entry to higher education and have been advised by the relevant Institution that their prospects for admission would be improved upon successfully completing preliminary studies in chemistry. Such students may be returning to studies after several years away from formal education.

The presentation of this course assumes no prior studies in either mathematics or in chemistry but students must carefully consider this and match their commitment to their expectations. As a rough guide, students who have completed both year 12 Maths Methods and year 11 Chemistry should expect to commit at least 10 - 15 hours of time per week additional to class time to studies in the part-time course. Students who have completed only year 11 Mathematics and year 11 Chemistry should expect to commit themselves to a proportional increase of the above hours. Students who have not completed either year 11 Mathematics or year 11 Chemistry should expect to commit themselves to a substantial increase on the above hours of private study per week.

**PLEASE NOTE: -**

- ***It is expected that students actively participate in classroom activities.***
- ***As of the 24 August 2009 the information pertained to course content, dates and times was correct.***

**Recommended Reading:** - CHANG, R. Chemistry 6<sup>th</sup> Edition McGraw-Hill, 1998 (but not essential)

## ***To Apply***

Please complete the Application Form and return to: -  
**Bridging Course Coordinator**  
Faculty of Science, Technology & Engineering,  
La Trobe University Bundoora, 3086