



CERTIFICATE IN TEACHING SCIENCE FOR DEEPER UNDERSTANDING - STAGES 4 AND 5

Saturday 16 February 2008, 9am – 3:30pm
plus six consecutive Wednesday evenings from 20 February – 26 March, 5 – 7:30pm

Venue: Education Building, Manning Road, the University of Sydney

Programme Overview

This Certificate in Teaching Science for Deeper Understanding Stages 4 and 5 offers a comprehensive program which will examine and develop scientific content, contexts and pedagogy in the context of the NSW years 7 to 10 science syllabus and will

- explore what the experts say
- help make science lessons relevant and current for teenagers today
- investigate learning styles of students
- investigate teaching approaches that extend all students to their maximum potential
- develop ideas for integrating science into a wider curriculum
- develop rich tasks and assessment strategies

Target Audience

Secondary school science teachers who are working with students in Years 7 to 10, who would like to explore issues in junior secondary school science education. We will seek to extend background knowledge and look at strategies for managing the current syllabus. The Certificate will explore implications for practice and provide participants with an opportunity to join a community of learners reflecting on their practice and planning to support and challenge middle school students. Maximum number of participants for this course is 25.

Academic Coordinator

Alexandra Hugman is a joint appointment between the Faculty of Science and the Faculty of Education and Social Work at the University of Sydney. She has worked in science education as a secondary teacher and university lecturer and has actively contributed to the professional development of secondary teachers through workshop presentations and journal articles in the UK and Australia. Alexandra is also Director of UniServe Science, an online resource for science teachers.

Conference – Saturday 16 February 2008

TIME	PROGRAM
9 am	Engagement and motivation – making science relevant to teens
10 am	Transition from primary to secondary school – exciting, scary or boring!
11 am	Morning Tea
11:30 am	The challenge of catering for the full range of students in the junior secondary classroom
12:30 pm	Group discussions: Identifying key issues in science education
1:15 pm	Lunch
2 pm	Panel Session: New technologies – assets or gimmicks?
2:45 pm	Sharing experiences and planning for change
3:30 pm	Close





Six Evening Workshops 4:30 – 7:30 pm

DATE	TOPIC
20 February	Structuring the skills – building on last year’s learning.
27 February	Designing rich tasks - stretch all your students
5 March	Technology: Developing problem-solving approaches
12 March	Is your ICT embedded?
19 March	Assessment with a difference
26 March	Working with your colleagues – science underpins everything!
<i>Evening sessions will include guest experts, reviews of relevant research and teaching ideas, including the use of technology, - all referenced to the Stage 4-5 science syllabus.</i>	

Participation and Accreditation

Participants must attend all sessions to receive the Certificate in Teaching Science for Deeper Understanding Stages 4 and 5.

Completion of the full course, and the successful submission of two additional assessment tasks can be accredited as one Unit of Study towards the Faculty’s Graduate Certificate, Graduate Diploma or Master of Education degrees. Please discuss this with the course coordinator Alexandra Hugman if you are interested. Please note: an additional \$360 fee will be charged for marking and administration.

Fees (GST inclusive)

Full program: Conference + 6 Evening Sessions	\$780
Full program discounted multiple rate	\$750 (for 2 or more people from the same school)
Conference only	\$180 (including lunch, morning tea, and materials)
Individual Evening Sessions	\$105 each (including afternoon tea and materials)

For More Information

On Certificate content, please contact:

Alexandra Hugman email: a.hugman@edfac.usyd.edu.au

On administrative matters, including registration, please contact:

Margaret Day email: m.day@edfac.usyd.edu.au, phone: 02 9351 7031



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ENROLMENT FORM

Conference, Saturday 16 February 2008 + **Wednesday workshops 4:30–7:30pm**, 20 February – 26 March 2008

Title _____ Name _____

School _____

School Mail Address _____

Postcode _____

Stage/s Taught _____ Curriculum Area/s _____

School Phone _____ Fax _____ Mobile _____

Email _____ Teacher Accreditation No. _____

ATTENDANCE DATES (please tick all dates you will be attending)

- | | |
|--|---|
| <input type="checkbox"/> FULL PROGRAM Conference + 6 Wednesday workshops | <input type="checkbox"/> Saturday 16 Feb Full-day Conference |
| <input type="checkbox"/> 20 Feb Structuring the skills – building on last year’s learning | <input type="checkbox"/> 12 Mar Is your ICT embedded? |
| <input type="checkbox"/> 27 Feb Designing rich tasks - stretch all your students | <input type="checkbox"/> 19 Mar Assessment with a difference |
| <input type="checkbox"/> 5 Mar Technology: Developing problem-solving approaches | <input type="checkbox"/> 26 Mar Working with your colleagues – science underpins everything! |

FEES DUE (GST inclusive - please tick the rate that applies to you)

FULL PROGRAM: single rate **\$780** | multiple rate **\$750** pp (please note, enrolment forms must be submitted together as a group)
 CONFERENCE ONLY: **\$180** | INDIVIDUAL EVENING WORKSHOPS: _____ X **\$105** each = _____

PAYMENT

Attached is a cheque made payable to **The University of Sydney** / Please debit my **VISA card / Mastercard** (please circle)

Cardholder Name _____ Amount \$ _____

Card Number _____ / _____ / _____ / _____ Expiry Date _____ / _____

Signature _____ Date _____

Closing date for registrations and refunds for withdrawal (less a \$50 administration fee) is 7 days prior to start date.

Please mail completed forms with cheques payable to The University of Sydney to: **Division of Professional Learning
 Faculty of Education & Social Work, 612-A35
 The University of Sydney NSW 2006**

Or fax your form with credit card payment details to: **02 9351 6249**

TAX INVOICE The University of Sydney ABN 15 211 513 464

TERMS AND CONDITIONS

The University of Sydney reserves the right to alter any arrangements or cancel an event or to refuse any enrolment or registration as permitted by law. Should the University of Sydney cancel an event the participant will receive a full refund of fees. Refunds for withdrawal (less a \$50 administration fee) are available if notification is received in writing either by mail or email at least seven days prior to the start date. Please choose carefully as the University of Sydney cannot accept responsibility for changes in personal circumstances or work commitments. No refunds will be given after the closing date.

DECLARATION

I have read and understand the terms and conditions and declare that the information I have provided is correct and complete.

Signature _____

Date _____

SURVEY

How did you find out about this program? Flyer Our website Government website Other website Internet Search (ie Google)

Word of mouth Journal or Newsletter Other: _____