Is your school looking for ways to support students who are experiencing difficulty in learning mathematics in the early years of schooling and beyond?  
Do you see benefits in having one or more teachers at your school with expertise and leadership in mathematics learning?

The Mathematics Teaching and Learning Research Centre and the School of Education at Australian Catholic University offers a practical, research-based, six-day course focusing on identifying and assisting students through an intervention program and within classroom support.

The Extending Mathematical Understanding Specialist Teacher course is based on the research, classroom experience and professional development leadership of Dr Ann Gervasoni, the work of the Early Numeracy Research Project team, and the ongoing research, experience and professional development leadership of Ann Downton, Carole Alexander, Linda Parish, Kelly Watson and Carole Livesy.

The 2012 Melbourne EMU course will be run by Carole Alexander and Kelly Watson at St Leonard’s College (Junior campus), East Brighton beginning March 2012.

Course Outline and Requirements

The Specialist teacher course involves field-based learning and a six-day spaced learning program.

The field-based learning component involves teachers planning and implementing an EMU Program (5 x 30 minute sessions per week) throughout the year.

The six day program involves workshops, data analysis and reviewing video excerpts simulating ‘behind-the-screen’ sessions.

Professional interaction, critical reflection, associated discussion and professional reading are important aspects of the program.

Participants must have a minimum qualification of BEd degree or equivalent, with at least two years teaching experience.

Experience with the Early Numeracy Interview is essential.
Program Content Includes

» understanding the distinctive nature of learning mathematics for low-attaining students;
» using data from the Early Numeracy Interview to identify students who are low-attaining and to prioritise children for placement in an intervention program;
» diagnosing individual learning needs;
» ongoing monitoring and assessment of mathematical learning;
» planning and implementing an EMU program;
» understanding the nature of Number growth point barriers and the nature of learning required to move beyond these barriers;
» strategies for accelerating the learning of underperforming students in counting, place value, addition, subtraction, multiplication and division;
» the role of children’s confidence and attitude in learning mathematics;
» the role of metacognition and reflection in learning;
» the role of families and communities in enhancing mathematical learning.

Strategies for Providing Specialised Assistance Discussed Throughout the Course:

» small group withdrawal program implemented by a specialist teacher;
» individual withdrawal program implemented by a specialist teacher; and
» classroom program supplemented by an individual mathematics learning plan developed by a specialist teacher and the classroom teacher.

Components of a Typical EMU Session

Typically, each EMU session is structured to include 10 minutes of group activities focusing on counting and place value, 15 minutes of rich learning activities focusing on problem-solving in addition and subtraction, multiplication and division contexts, and 5 minutes individual and group reflection about the key mathematical ideas that were noticed during the session. A home task is also provided.

COST: $1980.00 per person. This is inclusive of GST and includes registration fee, morning tea, lunch, notes and a range of resources. All fees are non-refundable for cancellations.

WHERE: St Leonard’s College, 163 South Rd, Brighton East.
WHEN: 9.00am to 3.30pm on six days throughout the year. 1st and 2nd March, 11th May, 15th June, 10th August and 7th September, 2012.

REGISTRATION FORM / TAX INVOICE

For GST purposes this will become a Tax Invoice when paid in full for the Extending Mathematical Understanding Specialist Teacher Course at Australian Catholic University (ABN 15 050 192 660), in 2012.

REGISTRATION FOR THE COURSE: To register for the course, please send this Registration Form / Tax Invoice with a cheque for $1980.00 (inc GST) per person made payable to “Australian Catholic University” and addressed to: Rose Knight, Australian Catholic University, MTLRC, Locked Bag 4115, Fitzroy Business Centre, 3065.

A letter acknowledging confirmation of registration will be mailed out. Please keep this original invoice for GST purposes.

For any further queries please contact Rose Knight: (03) 9953 3277 or email: rose.knight@acu.edu.au

Applicant’s Name
Postal Address
City/Town         Postcode
Phone Number       Preferred Email Address
Qualifications (Participants must have B.Ed Degree or equivalent)

Teaching Role       School Name
School Address
City/Town         Postcode
School Phone Number

Applicant’s Signature        Date

PRINCIPAL’S ENDORSEMENT: I endorse this application and understand that successful course completion requires the applicant to participate in all 6 professional learning days, and to conduct the EMU Program daily throughout the year for a minimum of 10 weeks (25 hours), but ideally for 20 weeks or more.

Principal’s Name       Principal’s Signature       Date