



STEM Recruitment, Retention, and Graduation (STEM-RRG) Mathematics Weekend Retreats for High School Sophomores, Juniors, and Seniors Spring 2011

Pre-College Program (Saturday & Sunday only):

| Time | Format | Facilitators |
|----------------------|---|--------------|
| 9:00 am – 10:20 am | Pretest/instructions/tutorials | See page 2 |
| 10:20 am – 10:40 am | Break | |
| 10: 40 am – 12:00 pm | Instructions/tutorials | See page 2 |
| 12:00 pm – 1:00 pm | Lunch | |
| 1:00 pm – 2:50 pm | Problem solving/calculator applications | See page 2 |
| 2:50 pm – 3: 00 pm | Break | |
| 3:00 pm – 4:00 pm | Posttest/assessment/evaluation | See page 2 |

Purpose:

The purpose of this series of weekend retreats is to deepen, enhance, and refresh the participants' knowledge of topics in mathematics that support the classes that students are taking in high school. In addition, the sessions expose the students to ideas and concepts that may be missing from their regular curriculum and stimulate interest in STEM disciplines and careers. This program also assists the participants' preparation for THEA, SAT & ACT Tests. Students attending the weekend retreats enrichment program must arrive on campus by 9:00 am on Saturday and attend activities until 4:00 pm on Sunday. The weekend retreats enrichment activities are conducted by experienced TAMIU/LCC faculty and certified experienced teachers in the area-high schools who have been specially selected to serve the needs of this student population.

Faculty Mentors/Facilitators:

1. Dr. Firooz Khosraviyani, TAMIU
2. Ms. Asela Acosta, UHS
3. Prof. Miguel San Miguel, TAMIU
4. Mr. Juan M. Gonzalez, ECHS/TAMIU/LCC
5. Ms. Patricia D. Proa, AHS/TAMIU
6. Mr. Pablo D. Morales, LCC/TAMIU
7. Mr. Jose T. Santacruz, AHS
8. Dr. Qingquan Wu, TAMIU
9. Prof. Christy Babu, LCC

Module:

Placement features of the MyMathTest software are used to accurately diagnose students' knowledge prior to creating refresher lessons at the developmental mathematics or at the pre-calculus and calculus levels. This will help students deepen their mathematics knowledge and come up to speed with their mathematics skills.

Tentative Weekends of Retreats:

January 15-16, January 29-30, February 12-13, February 19-20, February 26-27, March 5-6, March 12-13, March 26-27, April 9-10, and April 16-17, 2011.



Schedule of Sessions:

| No. | Date | Facilitator 1 | Facilitator 2 |
|-----|----------------------|---------------------|-------------------|
| 1 | January 15-16, 2011 | Miguel San Miguel | Jose T. Santacruz |
| 2 | January 29-30, 2011 | Miguel San Miguel | Patricia D. Proa |
| 3 | February 12-13, 2011 | Qingquan Wu | Patricia D. Proa |
| 4 | February 19-20, 2011 | Juan M. Gonzalez | Qingquan Wu |
| 5 | February 26-27, 2011 | Firooz Khosraviyani | Christy Babu |
| 6 | March 5-6, 2011 | Firooz Khosraviyani | Asela Acosta |
| 7 | March 12-13, 2011 | Pablo D. Morales | Asela Acosta |
| 8 | March 26-27, 2011 | Jose T. Santacruz | Pablo D. Morales |
| 9 | April 9-10, 2011 | Asela Acosta | Christy Babu |
| 10 | April 16-17, 2011 | Patricia D. Proa | Juan M. Gonzalez |

SAT & ACT Test Dates:

| MWR Test Dates | Test | U.S. Registration Deadlines | |
|----------------|---------------------|-----------------------------|-------------------|
| | | Regular | Late |
| March 12, 2011 | SAT only | February 11, 2011 | February 25, 2011 |
| April 9, 2011 | ACT | March 4, 2011 | March 18, 2011 |
| May 7, 2011 | SAT & Subject Tests | April 8, 2011 | April 22, 2011 |
| June 4, 2011 | SAT & Subject Tests | May 6, 2011 | May 20, 2011 |
| June 12, 2011 | ACT | May 6, 2011 | May 20, 2011 |

Check with Guidance Office and College Board / ACT Web Sites to Confirm Dates and Registration Procedures.

THEA & AP Test Dates:

- THEA Test Dates: April 23, June 18, July 23, 2011
- AP Test Dates: May 2 – 6/May 9 – 13, 2011

Location:

All MWR sessions are held in the Lamar Bruni Vergara Science Center, room 205 (LBVSC 205) at Texas A&M International University (TAMIU), 5201 University Boulevard, Laredo, Texas 78041-1900



For Saturdays:

| Time | Format | Facilitators |
|----------------------|--|---------------------|
| 9:00 am – 10:20 am | Pretest/instructions/tutorials | See page 2 |
| 10:20 am – 10:40 am | Break | |
| 10: 40 am – 12:00 pm | Instructions/tutorials/calculator applications | See page 2 |
| 12:00 pm – 1:00 pm | Lunch | |
| 1:00 pm – 2:50 pm | Problem solving/group work/presentation | See page 2 |
| 2:50 pm – 3: 00 pm | Break | |
| 3:00 pm – 4:00 pm | Posttest/assessment/evaluation | See page 2 |

For Sundays:

| Time | Format | Facilitators |
|----------------------|--------------------------------------|---------------------|
| 9:00 am – 10:20 am | Pretest/instructions/tutorials | See page 2 |
| 10:20 am – 10:40 am | Break | |
| 10: 40 am – 12:00 pm | Instructions/tutorials: THEA/SAT/ACT | See page 2 |
| 12:00 pm – 1:00 pm | Lunch | |
| 1:00 pm – 2:50 pm | MyMathTest: study plan | See page 2 |
| 2:50 pm – 3: 00 pm | Break | |
| 3:00 pm – 4:00 pm | Posttest/assessment/evaluation | See page 2 |