

TOOLS FOR SUCCESS CALCULUS I and II

The University provides many support services to help you, both in mathematics and in your other studies. This is a partial list; your instructor will inform you of more as he or she learns of them. If you find out about others, please share that knowledge with your instructor.

- 1) **PRECALCULUS REVIEW PACKET.** This is a review of the essential skills from precalculus that are needed for success in Calculus I and II. The packet can be purchased through the UA bookstore as “Class Notes for Math 124”. An on-line version is also available, free of charge, at <http://prep.math.lsa.umich.edu/pmc/> .

- 2) **ARE YOU READY FOR CALCULUS I or II?** These are computer based reviews covering Algebra and Trigonometry for Calculus I. (Limits, Derivatives, and Integrals for Calculus II). The program files are available under the “Are You Ready For...” links at <http://math.arizona.edu/~www-main-2002/software/azmath.html>. When you open the files a folder called CALCI (or CALC2) will appear. Open RURCI.EXE (or RURCI.EXE). The exercises are located in the Review option.

- 3) **MATHEMATICS DEPARTMENT TUTORING ROOM.** Free tutoring is available through the Mathematics Department in the Math East Building, room 145. Mondays through Thursdays from 10:00 – 3:00 and Fridays from 10:00 – 2:00.

- 4) **UNIVERSITY TUTORING SERVICES.** Find out about all their services at <http://www.tutoring.arizona.edu> . Located in Old Main, room 112. 621-2475
uts@email.arizona.edu. 8:00am – 5:00pm

Drop-in Tutoring. Schedule information is available at http://www.tutoring.arizona.edu/drop_in_tutoring.htm. (\$30 fee per semester).

On-line Tutoring. For all three Arizona universities. Free to registered students at <http://www.tutoring.arizona.edu/aztutor/index.htm> .

Small group tutoring. Sign up information is available at http://tutoring.arizona.edu/small_group_tutoring.htm . Space is limited (\$25 fee per semester).

Free tutoring. Many departments and organizations on campus offer free tutoring. A list is available at http://tutoring.arizona.edu/guide_to_free_tutoring.htm .

Private tutoring. An index is available in the University Tutoring Services office in Old Main. The Mathematics Department also maintains a list, available in room 108 of the Math Building.

- 5) **ADDITIONAL TUTORING.** Several organizations offer tutoring on campus. Restrictions apply.
SALT Center. <http://salt.arizona.edu/progserv/tutoring/tutoring.htm>
MARC Program. <http://www.biochem.arizona.edu/marc/tutoring.htm> .
- 6) **UNIVERSITY LEARNING CENTER.** Located in Old Main room 201. 621-4548. This center provides many services such as academic counseling, on-line self-assessments, and workshops. Information is available at <http://www.ulc.arizona.edu> .
- 7) **UNIVERSITY SCHOOL.** Located in the Integrated Learning Center (ILC) room 103. 621-7763. This center offers academic help in all subjects and advising. Information is available at <http://www.universitieschool.arizona.edu> .
- 8) **RESIDENCE LIFE.** Several residence halls have designated evening hours for tutoring. Contact Residence Life at 621-6400 for details. A list of helpful hints, planning tools, and resources is available at <http://www.life.arizona.edu/currentresidents/resed/virtual.asp> .
- 9) **WISE (Women In Science and Engineering).** Located in the Communications Building room 108. 621-7338. This program provides mentoring for undergraduate female students majoring in the sciences, engineering, and mathematics. Information is available at <http://info-center.ccit.arizona.edu/~ws/wise/> .
- 10) **CALCULATOR PROGRAMS.** You will be required to enter and run several programs. Programs for most of the common models of graphing calculators available can be found at <http://math.arizona.edu/~krawczyk/calcul.html>. Programs relevant for Calculus I are: Evaluate a Function (Intro to Programming), Difference Quotient, Left-Right Sums or Allsums, and Rectangles. Programs relevant for Calculus II are: Allsums, Slopefields, Euler (Numerical), Euler (Graphical), and Series. Your instructor will tell you which programs are needed for you section.
- 11) **MATH 124 HANDOUTS.** Various handouts are available at <http://math.arizona.edu/~krawczyk/124handouts.html> .
- 12) **YOUR INSTRUCTOR.** Your instructor is extremely valuable. Don't miss class. Ask questions. Go to office hours as often as necessary. Make an appointment if your class schedule conflicts.