

# PRECALC & CALC:

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Transition Courses at UA Math

# MATH 120R – UA Precalculus

- 4 unit course (meets 4 times weekly for 50 minutes)
- Up to 35 students per section
- Graphic, non-symbolic calculator / Traditional text, currently
- Uniform syllabus ([math.arizona.edu/~precalc](http://math.arizona.edu/~precalc))
- Some web-based, graded homework (1/8 of grade)
- Uniform final
- Includes the concept of average rate of change, difference quotients, interpretations
- This year:
  - supplemental instruction problem-solving sessions (engineers)
  - more cognitively demanding problems
  - some peer-collaborative elements

## MATH 120R–UA Precalc

- *4 unit course*
- Up to 35 students per section
- *Traditional text, currently*
- Uniform syllabus
- Some web-based, graded homework (most instructors)
- *Uniform final (skills)*
- Includes the concept of average rate of change
- This year:
  - supplemental instruction problem-solving sessions (engineers)
  - more cognitively demanding problems
  - some peer-collaborative elements

## MATH 124–UA Calculus

- *5 unit course*
- Up to 35 students per section
- *Reform text*
- Uniform syllabus
- Some web-based, graded homework (most instructors)
- *Uniform final (concepts)*
- Includes differential and integral calculus
- Next year:
  - supplemental instruction problem-solving sessions (engineers?)
  - cognitively demanding problems
  - peer-collaborative elements

# MATH 124 – UA Calculus 1

- 5 unit course (meets 5 times weekly for 50 minutes)
- Up to 35 students per section
- Graphic, non-symbolic calculator / Reform text
- Uniform syllabus ([math.arizona.edu/~calc](http://math.arizona.edu/~calc))
- Skills prelim
- Some web-based, graded homework (most instructors)
- Online text
- Uniform final
- Includes some integral calculus
- Next year:
  - supplemental instruction problem-solving sessions (engineers?)
  - cognitively demanding problems
  - peer-collaborative elements

# Links and resources

- [math.arizona.edu/~precalc](http://math.arizona.edu/~precalc)
  - UA precalculus final review package
  - UA precalc syllabus, and other course content
- [math.arizona.edu/~calc](http://math.arizona.edu/~calc)
  - UA calculus final review package
  - UA calc syllabus, and other course content
- [math.lsa.umich.edu/courses/105/](http://math.lsa.umich.edu/courses/105/)
  - MI precalculus exams (2 midterms/final per year) with solutions
  - MI precalc syllabus, philosophy, etc.
- [math.lsa.umich.edu/courses/115/](http://math.lsa.umich.edu/courses/115/)
  - MI calculus exams (2 midterms/final per year) with solutions
  - MI calc syllabus, philosophy, etc.
- [prep.math.lsa.umich.edu/pmc/](http://prep.math.lsa.umich.edu/pmc/)
  - online preparation for calc review (a-la ALEKS)—free,