

Spokane Falls Community College  
**COURSE LEARNING OUTCOMES**

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**Prefix and Course Number:** Math&152  
**Course Title:** Calculus II  
**Version Date:** 04/12/2019

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**Course Learning Outcomes**

Upon successful completion of the course, the student will be able to:

1. Find areas of plane regions, surface areas, and arc lengths
2. Find volumes of surfaces of revolution using the disk, washer, and shell methods
3. Find derivatives and integrals for logarithmic and exponential functions and for the inverse trigonometric functions
4. Demonstrate ability to integrate more complicated functions using standard methods of integration, including integration by parts, trigonometric substitutions, partial fractions, and tables
5. Solve basic differential equations namely, separable and linear differential equations.
6. Judge the reasonableness of a solution or answer and justify all processes used