

# CONSTRUCTION TECHNOLOGY MANUFACTURING (CTMF)

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## CTMF 021 Woodworking (0.0 Units)

This noncredit woodworking class covers safety, the composition of wood and its characteristics, design and sketching, project planning, measuring and cutting, use of large and small power tools, and general woodworking techniques.

Lecture Hours: 36.0; Lab Hours: 54.0

Transfer: Not transferable

## CTMF 029 Woodturning (0.0 Units)

This is noncredit woodturning course provides the information and skills necessary to successfully design, turn and finish typical woodturning projects. Course includes lathe, spindle, faceplate and drive chuck turning. Students will complete a variety of projects that can include pens and pencils, games and toy pieces, decorations, lamps, spindles, bowls and boxes.

Lecture Hours: 36.0; Lab Hours: 54.0

Transfer: Not transferable

## CTMF 120A Woodworking Tools & Equipment (2.0 Units)

This course is designed to give the woodworking student an in-depth knowledge of common woodworking tools and equipment. Students will explore the safety, use and maintenance of saws, lathes, routers, planers, jointers, sanders and common power and hand tools used for basic woodworking projects.

Lecture Hours: 36.0

Transfer: Transfers to CSU only

## CTMF 121A Basic Woodworking (3.0 Units)

This is a beginning woodworking class. Topics covered include safety, tools, the composition of wood and its characteristics, beginning design and sketching, project planning, measuring and cutting, use of large and small power tools, and general woodworking techniques. Students will be expected to complete multiple projects as part of their grade.

Lecture Hours: 36.0; Lab Hours: 54.0

Transfer: Transfers to CSU only

## CTMF 121B Intermediate Woodworking (3.0 Units)

This is an intermediate woodworking class. Topics include safety, tools, the composition of wood and its characteristics, finishing, intermediate design and sketching, and project planning. Students will generate shop drawings adequate to build the project. Students will measure, cut, and use power tools and general woodworking techniques.

Prerequisite(s): CTMF 121A, Minimum grade C

Lecture Hours: 36.0; Lab Hours: 54.0

Transfer: Transfers to CSU only

## CTMF 121C Advanced Woodworking I (3.0 Units)

This is an advanced course in fine woodworking using techniques common to custom wood products, furniture making and wood art. Learn the artisan's techniques for wood joining, carving, turning and finishing by completing various wood projects. Course includes a study of common woods, tools and methods for shaping and finishing.

Prerequisite(s): CTMF 121B, Minimum grade C

Lecture Hours: 36.0; Lab Hours: 54.0

Transfer: Transfers to CSU only

## CTMF 121D Advanced Woodworking II (3.0 Units)

The second advanced course in fine woodworking using techniques common to custom wood products to learn the artisan's techniques for wood joining, carving, and finishing. CSU

Prerequisite(s): CTMF 121C, Minimum grade C

Lecture Hours: 36.0; Lab Hours: 54.0

Transfer: Transfers to CSU only

## CTMF 122 Advanced Wood Topics (3.0 Units)

Come develop your skills and learn the methods and procedures necessary for completing an advanced woodworking project. One specific advanced woodworking project is selected as the focus for each semester. Check with the Construction Technology department for the current project. Course may also include specialized techniques of turning, marquetry, parquetry, carving and intarsia. Grade option.

Lecture Hours: 36.0; Lab Hours: 54.0

Transfer: Transfers to CSU only

## CTMF 129A Woodturning (3.0 Units)

This introductory course will provide the woodworking student with information and skills necessary to successfully design, turn and finish typical woodturning projects. Course includes lathe, spindle, faceplate and drive chuck turning. Students will complete a variety of projects that can include pens and pencils, games and toy pieces, decorations, lamps, spindles, bowls and boxes.

Lecture Hours: 36.0; Lab Hours: 54.0

Transfer: Transfers to CSU only

## CTMF 129B Advanced Woodturning (3.0 Units)

This advanced woodturning course includes green, seasoned and laminated wood and acrylic projects. Students will explore turning of large bowls and platters, maintaining natural edges, turning burls, proper box and lid construction, off center turning, chatter finishes and construction of tuning fixtures, centers and drives. Grade option.

Prerequisite(s): CTMF 129A

Lecture Hours: 36.0; Lab Hours: 54.0

Transfer: Transfers to CSU only