ART (ART)

College of Liberal Arts
Art Department (https://www.uaf.edu/art/)
907-474-7530

ART F105X  Beginning Drawing  (h)
3 Credits
Offered Fall, Spring and Summer
This is an introductory class that introduces students to fundamental
drawing concepts, materials, techniques, vocabulary, functions, and
range of visual aesthetics. No prior experience with drawing is required or
expected.
Attributes: UAF GER Arts Req
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F127  Introduction to Weaving  (h)
3 Credits
Offered As Demand Warrants
Fundamentals of weaving taught through basic techniques and
processes for four-shaft loom woven structures. Includes loom
terminology and function, warping and threading, basic pattern drafting
and designing, color and texture. Introduces tapestry techniques.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F161  Two-dimensional Digital Design  (h)
3 Credits
Offered Fall and Spring
This course provides an introduction to design principles and digital skills
necessary for fine arts students. The course covers fundamentals of
visual design, drawing, and painting techniques on computer. Special fees
apply.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F162  Color and Design  (h)
3 Credits
Offered Fall and Spring
Fundamentals of pictorial form, color principles and interactions.
Emphasis on traditional art media rendered two dimensionally on paper.
This course is recommended for students becoming B.A., B.F.A. Drawing,
Painting, and Printmaking majors.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F163  Three-dimensional Design  (h)
3 Credits
Offered Fall and Spring
This hands-on course introduces fundamental concepts and organization
of three-dimensional forms, including applied art and industrial design.
Various materials such as wire, clay, silicone, and paper are explored. This
course is recommended for students becoming B.A. or B.F.A. Art majors
and students interested in exploring material manufacturing processes.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F200X  Explorations in Art  (h)
3 Credits
Offered Fall and Spring
Understanding and appreciation of art through exploration of its diverse
styles, influences and developments. Topics include the creative process,
artistic forms of expression, historical and cultural contexts, the role of
the artist in society and popular movements and trends.
Prerequisites: Placement in WRTG F111X; sophomore standing.
Attributes: UAF GER Arts Req
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F201  Beginning Ceramics  (h)
3 Credits
Offered Fall, Spring and Summer
Foundation experience with clay. Overview of the medium of ceramics
and its possibilities.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F205  Intermediate Drawing  (h)
3 Credits
Offered Fall and Spring
Exploration of pictorial composition and creative interpretation of
subjects.
Prerequisites: ART F105X.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F207  Beginning Printmaking  (h)
3 Credits
Offered Fall and Spring
Concepts and techniques of printmaking. Subject areas taken from relief,
tingl, serigraphy and lithography.
Prerequisites: ART F105X; ART F161, ART F162, ART F163.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F209  Beginning Metalsmithing and Jewelry  (h)
3 Credits
Offered Fall and Spring
Basic techniques of fine metalsmithing and jewelry.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F211  Beginning Sculpture  (h)
3 Credits
Offered Fall and Spring
Basic sculpture techniques and principles.
Prerequisites: ART F105X; ART F161, ART F162, ART F163.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F213  Beginning Painting  (h)
3 Credits
Offered Fall and Spring
This course will address painting techniques in a variety of mediums.
Emphasis will be placed on composition, painting materials and
hazardous waste procedures. The techniques covered in this course will
prepare students for future study in upper division courses and help them
develop a professional portfolio of work.
Prerequisites: ART F105X; ART F161, ART F162, ART F163.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus

907-474-7530
Art Department
College of Liberal Arts
ART F223 Watercolor Painting (h)  
3 Credits  
Offered As Demand Warrants  
Painting in various transparent and opaque media (watercolor, tempera, polymer, casein). Emphasis on techniques and subjects.  
Prerequisites: ART F105X; ART F161, ART F162, ART F163.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus  
ART F227 Woven Fabric Design (h)  
3 Credits  
Offered As Demand Warrants  
Continuation of ART F127. Exploration of color and texture in loom structures. Includes basic fiber technology and color theory. Topics vary each semester and include blocks, units, laces, twills and R.A.G.S. recycle. Course may be repeated for credit when topic changes.  
Prerequisites: ART F127.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus  
ART F231 Previsualization and Preproduction (h)  
3 Credits  
Offered Fall  
Previsualization is a collaborative process that generates preliminary versions of shots or sequences, predominantly using 3D animation tools and a virtual environment. It enables filmmakers to visually explore creative ideas, plan technical solutions and communicate a shared vision for efficient production, laying a foundation for cinema production.  
Cross-listed with FLPA F231.  
Lecture + Lab + Other: 3 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus  
ART F233 Beginning Field Painting (h)  
1 Credit  
Offered As Demand Warrants  
This introductory course combines painting at outdoor locations with supporting lectures and indoor studios. Students will use drawings and small painted studies to produce finished oil/ acrylic paintings. Concepts of space, light, color, composition, scale and elements of landscape paintings such as reflections, aerial and linear perspective will be addressed.  
Prerequisites: Recommended: ART F105X; ART F213.  
Lecture + Lab + Other: 0.5 + 1.5 + 0  
Grading System: Letter Grades with option of Plus/Minus  
ART F240 Beginning Molding and Casting Iron for Sculpture and Design (h)  
1 Credit  
Offered Summer  
This course will present the student with an individualized level of self-expression, style, and the mastery of the fundamental techniques involved in creating molds for sculptural application. The students are introduced to hot and cold casting methods for use in multimedia projects and traditional iron designs.  
Prerequisites: ART F163.  
Lecture + Lab + Other: 0.5 + 1.5 + 0  
Grading System: Letter Grades with option of Plus/Minus  
ART F261X History of World Art I (h)  
3 Credits  
Offered Fall  
Origins of art and its development from the beginning through contemporary painting, sculpture and architecture. ART F261X - ART F262X may be taken in reverse order; however, course content is presented in a chronological sequence beginning with fall semester.  
Attributes: UAF GER Arts Req  
Lecture + Lab + Other: 3 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus  
ART F268 Alaska Native Art Studio I (an, h)  
3 Credits  
Offered Fall and Spring  
Studio art course exploring the practice of traditional and contemporary Alaska Native art forms; including design, technology, and cultural expression. Rooted in experiential learning, students will learn by creating and utilizing tools specific to Alaska Native cultures. A strong emphasis will be placed on gaining technical skills and traditional knowledge.  
Cross-listed with ANS F268.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus  
ART F271 Beginning Computer Art (h)  
3 Credits  
Offered Fall  
Basic techniques of computer art. The course covers basic animation, motion graphics, digital painting and digital design.  
Prerequisites: ART F161.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus  
ART F283 Basic Darkroom Photography (h)  
3 Credits  
Offered Fall  
Photography fundamentals, including use of an adjustable camera, film and exposure techniques, filters and flash techniques. Darkroom procedures including black and white film processing and printing, photograph design and composition. Students must have use of an adjustable camera.  
Lecture + Lab + Other: 2 + 3 + 0  
Grading System: Letter Grades with option of Plus/Minus  
ART F284 Basic Digital Photography (h)  
3 Credits  
Offered Fall, Spring and Summer  
Introduction of technical and aesthetic aspects of basic digital photography using digital SLR cameras and editing photos through Adobe Photoshop suites. Students are expected to have intermediate computer knowledge. Topics include controlling digital SLRs on manual settings, photographing creatively, basic and advanced editing techniques, negative scanning and digital printing.  
Lecture + Lab + Other: 3 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus
ART F301 Intermediate Ceramics (h)  
3 Credits  
Offered Fall, Spring and Summer  
Continuation of beginning ceramics. Emphasis on developing proficiency in ceramic studio practices and processes.  
Prerequisites: ART F201.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken unlimited times for up to 99 credits

ART F303 Intermediate Field Painting (h)  
1 Credit  
Offered As Demand Warrants  
This intermediate course combines painting at outdoor locations with supporting lectures and indoor studios. Students will use drawings and small painted studies to produce finished oil/acrylic paintings. Concepts of space, light, color, composition, scale and elements of landscape paintings such as reflections, aerial and linear perspective will be addressed.  
Prerequisites: ART F213, ART F233.  
Recommended: ART F105X, ART F205.  
Lecture + Lab + Other: 0.5 + 1.5 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F305 Advanced Drawing (h)  
3 Credits  
Offered Fall and Spring  
Development and refinement of individual problems in drawing. Can be repeated for credit with permission of instructor.  
Prerequisites: ART F205.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken 20 times for up to 999 credits

ART F307 Intermediate Printmaking (h)  
3 Credits  
Offered Fall and Spring  
Continuation of ART F207 with emphasis on refinement of technique and color printing.  
Prerequisites: ART F207.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F309 Intermediate Metalsmithing and Jewelry (h)  
3 Credits  
Offered Fall and Spring  
Further investigation of material processes and techniques; some emphasis on design.  
Prerequisites: ART F209.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F311 Intermediate Sculpture (h)  
3 Credits  
Offered Fall and Spring  
Exploration in materials and concepts of sculpture. Emphasis on personal creativity and skill development.  
Prerequisites: ART F211.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F313 Intermediate Painting (h)  
3 Credits  
Offered Fall and Spring  
Continued development of expressive skills in painting in any media. Emphasis on pictorial and conceptual problems.  
Prerequisites: ART F213; COM F131X or COM F141X.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F333 Intermediate Field Painting (h)  
1 Credit  
Offered As Demand Warrants  
This intermediate course combines painting at outdoor locations with supporting lectures and indoor studios. Students will use drawings and small painted studies to produce finished oil/acrylic paintings. Concepts of space, light, color, composition, scale and elements of landscape paintings such as reflections, aerial and linear perspective will be addressed.  
Prerequisites: ART F213, ART F233.  
Recommended: ART F105X, ART F205.  
Lecture + Lab + Other: 0.5 + 1.5 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F360 Indigenous Art and Culture (h)  
3 Credits  
Offered As Demand Warrants  
Examination of art as a medium of cultural criticism, knowledge, wisdom, learning, and expression of social, spiritual, ecological, and aesthetic relationships in Indigenous societies of North, Central and South America, Africa, Eurasia, Australia and Oceania, and the Arctic.  
Cross-listed with ANTH F360.  
Lecture + Lab + Other: 3 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F363 History of Modern Art (h)  
3 Credits  
Offered Spring Odd-numbered Years  
Development of modern art forms and theories in the visual arts from the late 19th century to the present. Concentration on the artistic pluralism of 20th century art forms: Cubism, Futurism, Surrealism, Expressionism, Constructivism, Nonobjective Art, Abstract Expressionism, Pop Art, Realism and many other "isms."  
Prerequisites: ART F262X; WRTG F111X; WRTG F211X, WRTG F212X, WRTG F213X, WRTG F214X.  
Lecture + Lab + Other: 3 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F364 Italian Renaissance Art (h)  
3 Credits  
Offered Spring Even-numbered Years  
Development of the Renaissance from early Florentine to the High Renaissance of Venice. Study of art by Massacio, Michelangelo, DaVinci, Titian, etc.  
Prerequisites: ART F261X; WRTG F111X; WRTG F211X, WRTG F212X, WRTG F213X, WRTG F214X.  
Lecture + Lab + Other: 3 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus
ART F365  Alaska Native Art History  (an, h) 3 Credits
Offered Spring Even-numbered Years
The material culture of Alaska Native people from pre-colonial times to the present. Students will explore the effects of colonialism on the art forms of different Alaska Native cultural groups. Students will have an opportunity to contribute to the ongoing histories of Alaska Native art through group research projects.
Prerequisites: Sophomore standing or higher.
Cross-listed with ANS F366; ANTH F366.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
ART F366  Northwest Coast Indian Art  (h) 3 Credits
Offered As Demand Warrants
Arts of the Northwest Coast Indians and the place of art in their culture.
Cross-listed with ANS F367; ANTH F367.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
ART F367  Inuit Art  (an, h, s) 3 Credits
Offered Fall
Indigenous art from Northern Alaska, Canada, Greenland and the Bering Strait region of Russia, from the earliest known to contemporary.
Cross-listed with ANS F367; ANTH F367.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
ART F368  Alaska Native Art Studio II  (an, h) 3 Credits
Offered Fall and Spring
This course is a continuing exploration of the designs, technologies, and meanings of the diverse Alaska Native arts. Through the creative process, students will start examining the complex issues of creating art within a cultural context. A strong emphasis will be placed on developing a student's individual style.
Prerequisites: ANS F268 or ART F268.
Cross-listed with ANS F368.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus
ART F371  Digital Imaging  (h) 3 Credits
Offered Fall and Spring
This course focuses on creating and manipulating digital images, including digital painting and photography. The varied ethical issues engendered by this expertise will be addressed in depth. Skills and knowledge useful for digital photography, digital video compositing and digital painting will be covered.
Prerequisites: ART F161, ART F271, ART F284 or FLPA F260.
Cross-listed with FLPA F371.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus
ART F401  Advanced Ceramics  (h) 3 Credits
Offered Fall, Spring and Summer
Emphasis on developing as aesthetically perceptive and technically proficient ceramic artist. Individual and group projects include kiln firings. May be repeated for credit with permission of instructor.
Prerequisites: ART F301.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 999 credits
ART F402  Anthropology of Art  (s) 3 Credits
Offered As Demand Warrants
Anthropological study of art in cross-cultural perspective. Social context of art production and use and cross-cultural variations in definition of an artist's role.
Prerequisites: Senior standing.
Cross-listed with ANTH F402.
Stacked with ANTH F602, ART F602.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
ART F407  Advanced Printmaking  (h) 3 Credits
Offered Fall and Spring
Individual development of technical and creative processes. May be repeated for credit with permission of instructor.
Prerequisites: ART F307; COM F131X or COM F141X.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 999 credits
ART F409  Advanced Metalsmithing and Jewelry  (h) 3 Credits
Offered Fall and Spring
Materials and processes; introduction to holloware skills and forging. May be repeated for credit with permission of instructor.
Prerequisites: ART F309.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken 20 times for up to 999 credits
ART F411  Advanced Sculpture  (h) 3 Credits
Offered Fall and Spring
Principles, practices and concepts of sculpture. May be repeated for credit with permission of instructor.
Prerequisites: ART F311.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 999 credits
ART F412  Portrait Photography  3 Credits
Offered As Demand Warrants
This course will teach the student who has basic or advanced exposure and printing skills to further their understanding of the principles and techniques of portrait photography. Students will work with SLR or DSLR cameras and editing through a digital photo suite such as Adobe Photoshop.
Prerequisites: ART F284.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
ART F413  Advanced Painting  (h)
3 Credits
Offered Fall and Spring
Individual experimentation and technical/conceptual development in painting. Can be repeated for credit with permission of instructor.
Prerequisites: ART F131; COM F131X or COM F141X.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 999 credits

ART F417  Lithography  (h)
3 Credits
Offered As Demand Warrants
An exploration of stone and metal plate lithography. May be repeated for credit with permission of instructor.
Prerequisites: ART F105X; ART F207.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 999 credits

ART F419  Life Drawing  (h)
3 Credits
Offered As Demand Warrants
Drawing from life; study of artistic anatomy. May be repeated for credit with permission of instructor.
Prerequisites: ART F305.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 999 credits

ART F424  Field Artists of the North  (h)
3 Credits
Offered As Demand Warrants
Study of field artists and their work, from explorer artists of yesteryear to today's field artists using varieties of traditional and contemporary media in their creations. Students will conceive and conduct their own study projects, producing a body of work that will demonstrate the principles and practice of field artists.
Prerequisites: ART F105X; ART F161, ART F162, ART F163; ART F205, ART F211, ART F213 or ART F283; COM F131X or COM F141X.
Cross-listed with ACNS F424.
Stacked with ART F624; ACNS F624.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F425  Visual Images of the North
3 Credits
Offered As Demand Warrants
This course examines the images of the peoples and landscapes of the Circumpolar North. It centers on documentary and artistic goals, translations from original sketches to published images, the relationship between Arctic imagery and prevailing historical styles, and the influences of changing worldviews on modes of Northern representation and expressions.
Prerequisites: WRTG F111X, WRTG F211X, WRTG F212X, WRTG F213X or WRTG F214X.
Cross-listed with ACNS F425.
Stacked with ART F625; ACNS F625.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F427  Relief  (h)
3 Credits
Offered As Demand Warrants
Woodcut and monotype with emphasis on color. May be repeated for credit with permission of instructor.
Prerequisites: ART F105X; ART F207; ART F213.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 999 credits

ART F433  Advanced Field Painting  (h)
1 Credit
Offered As Demand Warrants
This advanced course combines painting at outdoor locations with supporting lectures and indoor studios. Students will use drawings and small painted studies to produce finished oil/acrylic paintings. Concepts of space, light, color, composition, scale and elements of landscape paintings such as reflections, aerial and linear perspective will be addressed.
Prerequisites: ART F313, ART F333.
Lecture + Lab + Other: 0.5 + 1.5 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken 4 times for up to 9 credits

ART F437  Intaglio  (h)
3 Credits
Offered As Demand Warrants
Intaglio printmaking with emphasis on experimentation and color photo intaglio printing. May be repeated for credit with permission of instructor.
Prerequisites: ART F105X; ART F162; ART F207.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 999 credits

ART F440  Advanced Molding and Casting Iron for Sculpture and Design  (h)
1 Credit
Offered Summer
This course will present the student with an individualized level of self-expression, style, and the mastery of the different techniques involved in creating molds for sculptural application. The students are continuing to develop hot and cold casting skills for use in multimedia projects and traditional iron designs.
Prerequisites: ART F211.
Lecture + Lab + Other: 0.5 + 1.5 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken 4 times for up to 4 credits

ART F447  Silkscreen  (h)
3 Credits
Offered As Demand Warrants
Silkscreen printing with photo process. May be repeated for credit with permission of instructor.
Prerequisites: ART F105X; ART F162; ART F207.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 999 credits
ART F453  Kiln Design and Construction  (h)  
3 Credits  
Offered As Demand Warrants  
Kiln design and construction including building and firing a kiln. May be repeated for credit with permission of instructor.  
Prerequisites: ART F201.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken unlimited times for up to 999 credits

ART F456  Ceramic Materials  
3 Credits  
Offered Fall Even-numbered Years  
A thorough understanding of the materials used to make clay bodies and glazes is an essential tool for the ceramic artist. Through lectures, readings and lab work the student will better understand how different materials work together and how to safely utilize these materials in their own artistic practice.  
Stacked with ART F656.  
Lecture + Lab + Other: 3 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F460  Cross-cultural Filmmaking  (h)  
3 Credits  
Offered As Demand Warrants  
Explore filmmaking through cultural knowledge, decolonized methodologies, and documentary filmmaking techniques to create content reflective of cultural and/or scientific knowledge. Develop film work with a theoretical base for cultural understanding, scientific communications, and educational potentials. Basic pre-production, production, and post-production processes will be explored within a multicultural communications framework.  
Prerequisites: Junior, senior or graduate standing.  
Cross-listed with ANTH F460; FLPA F460.  
Lecture + Lab + Other: 3 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F463  Seminar in Art History  (h)  
3 Credits  
Offered Fall Odd-numbered Years  
A forum for discussion of a particular historical period or art historical idea. Topics vary each semester and will not be repeated during a two-year period. Topics include art since 1945, women in twentieth-century art, the American landscape tradition, etc.  
Stacked with ART F663.  
Lecture + Lab + Other: 3 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken 3 times for up to unlimited credits

ART F464  History of Photography  (h)  
3 Credits  
Offered As Demand Warrants  
This course will provide an exploration of the history, impact and development of the photographic process, spanning from the earliest observations of optics, through the development of the first permanent image, and all the way to the most recent advances in digital technology.  
Prerequisites: WRTG F111X.  
Stacked with ART F664.  
Lecture + Lab + Other: 3 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F465  Advanced Photography Seminar  
3 Credits  
Offered Spring  
Advanced discussion of photojournalism and photographic topics with field, studio and darkroom sessions. Topics will range from the photographic essay to the history of photography and working in series. Weekly classroom meetings will be supplemented by field, studio and darkroom sessions.  
Prerequisites: ART F283 or ART F284.  
Stacked with ART F665.  
Lecture + Lab + Other: 2 + 3 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F467  Photoprocess Printmaking  (h)  
3 Credits  
Offered Spring Odd-numbered Years  
Production of etchings, lithographs and silkscreen prints using photo mechanical processes. Elements of electrophotography and desktop publishing explored. May be repeated for credit with permission of instructor.  
Prerequisites: ART F105X; ART F207; ART F262X.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken unlimited times for up to 999 credits

ART F468  Alaska Native Art Studio III  (an, h)  
3 Credits  
Offered Fall and Spring  
Students will refine their artistic practice guided with in-depth mentorship from faculty. Through individualized study, students will continue their exploration and development of their artwork within a cultural context. Strong emphasis will be placed on the individual development of a body of artwork inspired by the cultures they draw from.  
Prerequisites: ART F368.  
Cross-listed with ANS F468.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken 6 times for up to 18 credits

ART F469  Architecture: Art, Design, Technology and Social Impact  (h)  
3 Credits  
Offered As Demand Warrants  
Concepts of environmental, urban and industrial design. Relationship of human and natural environment is stressed in this history of architecture with special attention given to contemporary conditions in urban areas and effects of industrialization and mechanization on human living and working spaces, artistic design and aesthetics.  
Prerequisites: (ART F261X and ART F262X) or HUM F201X; WRTG F111X; WRTG F211X, WRTG F212X, WRTG F213X, WRTG F214X.  
Lecture + Lab + Other: 3 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus
ART F470  Handmade Photographs  
3 Credits  
Offered Spring Odd-numbered Years  
This course will introduce students to a wide array of historical photographic techniques and alternative processes while also providing contextual historical and contemporary information about each process. Processes covered include: Pinhole Camera Construction, Lumen Printing, Chemigram, Photogram, Cyanotype, Van Dyke Brown, Albumen and various transfer methods.  
Stacked with ART F670.  
Lecture + Lab + Other: 2 + 3 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F471  Advanced Digital Design (h)  
3 Credits  
Offered Spring  
Project-oriented class in graphic design with applications from journalism to fine and commercial art. Students will be expected to have a background in programs likely to include web design, digital photography and graphic design.  
Prerequisites: ART F371; one college-level studio art course.  
Special Notes: May be repeated for credit with permission of the instructor.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken 10 times for up to 30 credits

ART F472  3D Animation (h)  
3 Credits  
Offered Fall  
Concept and technique of 3D computer generated animation with applications in fine and commercial art and science. Students will produce a series of three dimensional animation projects which will introduce them to the tools and concepts used by animation and visualization professionals.  
Prerequisites: ART F231, FLPA F231, ART F271.  
Cross-listed with FLPA F472.  
Special Notes: May be repeated for credit.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken 5 times for up to 15 credits

ART F474  History of the Role of the Artist (h)  
3 Credits  
Offered Spring Even-numbered Years  
Survey of theory and practices of professional training and education of the artist in relationship to political, social and philosophical conditions. testing if what this labels. Restrictions: Juniors only.  
Prerequisites: WRTG F111X; WRTG F211X, WRTG F212X, WRTG F213X, WRTG F214X.  
Co-requisites: testing testing.  
Recommended: ART F261X; ART F262X.  
Stacked with ART F673.  
Lecture + Lab + Other: 3 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F475  Digital Video Compositing (h)  
3 Credits  
Offered As Demand Warrants  
Digital compositing techniques for creating moving imagery. The course covers video manipulation, layering images, synthesizing realistic video imagery, integration of live action and computer generated animation. Course can be repeated for a total of nine credits with permission of instructor.  
Prerequisites: ART F472, FLPA F472.  
Cross-listed with FLPA F475.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken unlimited times for up to 9 credits

ART F476  Advanced Digital Photography Portfolio (h)  
3 Credits  
Offered Fall, Spring and Summer  
This class provides students with the concept of producing a professional digital portfolio of their Commercial and/or Art Photography and/or Photojournalism. Students submit new images each week for editing and critique. Over the semester three smaller bodies of work will become a 20-24 image professional portfolio.  
Prerequisites: ART F284.  
Cross-listed with JOUR F476.  
Stacked with ART F676, JOUR F676.  
Lecture + Lab + Other: 2 + 3 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken 3 times for up to 9 credits

ART F483  Advanced Darkroom Photography (h)  
3 Credits  
Offered Spring  
Continuation of ART F283. Emphasis on continuing development of photographic skills by application of basic technical skills to a variety of areas of photography.  
Prerequisites: ART F283.  
Lecture + Lab + Other: 2 + 3 + 0  
Grading System: Letter Grades with option of Plus/Minus

ART F484  Multimedia Theory and Practice (h)  
3 Credits  
Offered As Demand Warrants  
Study of techniques needed to produce multimedia for a special university or community agency project. For the purpose of this course multimedia is defined as computer-based, user-driven products with audio, visual and text components and also video or film where appropriate. Primary program is Flash. plus some mastery of a specialty in writing, art, or television production.  
Prerequisites: Understanding of computer graphics programs like Illustrator, Freehand, etc.  
Stacked with ART F684.  
Lecture + Lab + Other: 3 + 3 + 0  
Grading System: Letter Grades with option of Plus/Minus
ART F487    Digital Darkroom
3 Credits
Offered Fall
Students will develop advanced photo editing and digital darkroom skills and create quality prints through Photoshop, Lightroom and other image techniques.
Prerequisite: ART F284.
Stacked with ART F687.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken 5 times for up to 15 credits

ART F488    Professional Practices for Visual Artists
3 Credits
Offered Spring Odd-numbered Years
This class provides a foundation of practical information for students as they begin to consider various career options in the visual arts. Topics include documentation, websites, promotion and description, exhibit installation methods, marketing, developing application materials for residencies and grants, as well as issues of health and safety.
Prerequisites: Junior standing.
Stacked with ART F688.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F489    Bachelor of Arts Capstone (h)
0 Credit
Offered Fall and Spring
This capstone course is the culmination of a student's general studies in the visual arts. This course will give students hands-on experience in preparing an art exhibition, resume, artist's statement and portfolio.
Prerequisites: Admittance to the art program, senior standing.
Lecture + Lab + Other: 0 + 0 + 0
Grading System: Pass/Fail Grades

ART F490    Current Problems
3 Credits
Offered Fall Even-numbered Years
A forum for discussion of aesthetic and professional problems confronted by artists. Instructor and students moderate discussion and students investigate topics. Past semesters included: approaches to figuration of contemporary painting and sculpture, health hazards for the professional artist, portfolio development, gallery access, production far from major cultural centers, etc.
Stacked with ART F690.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken 98 times for up to unlimited credits

ART F491    Fine Art Seminar (h)
1 Credit
Offered Fall and Spring
This course is a studio critique for BFA and MFA students. The course is structured as a hybrid seminar/critique, with weekly readings, discussions, and studio critique sessions. The course also includes writing assignments as an integrated element of contemporary studio practice preparing students for their solo exhibition.
Prerequisites: Acceptance into the BFA program.
Stacked with ART F691.
Lecture + Lab + Other: 1 + 0 + 0
Grading System: Pass/Fail Grades
Repeatable for Credit: May be taken 12 times for up to 12 credits

ART F492    Seminar
1-6 Credits
Lecture + Lab + Other: 1-6 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F498    Undergraduate Research
1-3 Credits
Lecture + Lab + Other: 1-3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 99 credits

ART F499    Thesis Project
1-3 Credits
Directed work toward individual exhibition; completed outside regularly scheduled classes. Required for B.F.A. candidates.
Prerequisites: Senior standing.
Lecture + Lab + Other: 0 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 3 credits

ART F601    Ceramics
3 Credits
Offered Fall and Spring
Exploration of selected topics in ceramics with lectures, demonstrations, independent research and production of ceramics at a level commensurate with graduate standing. May be repeated for credit.
Prerequisites: Graduate standing.
Lecture + Lab + Other: 0 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 40 credits

ART F602    Anthropology of Art
3 Credits
Offered As Demand Warrants
Anthropological study of art in cross-cultural perspective. Social context of art production and use and cross-cultural variations in definition of an artist's role.
Prerequisites: Senior standing.
Cross-listed with ANTH F602.
Stacked with ART F402, ANTH F402.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F603    Graduate Photography
2-6 Credits
Offered As Demand Warrants
Exploration of selected topics in photography, with lectures, demonstrations, independent research and production of photography at a level commensurate with graduate standing. May be repeated for credit.
Prerequisites: Graduate standing.
Lecture + Lab + Other: 1 + 2-8 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F605    Drawing
1-6 Credits
Offered Fall and Spring
Exploration of topic in general drawing with lectures, demonstrations and independent research and production of drawing at a level commensurate with graduate standing. May be repeated for credit.
Prerequisites: ART F305; and graduate standing.
Lecture + Lab + Other: 0 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 40 credits
ART F607  Printmaking  
1-6 Credits  
Offered Fall and Spring  
Exploration of selected topics in printmaking with lectures, demonstrations, independent research and production of printmaking at a level commensurate with graduate standing. May be repeated for credit.  
Prerequisites: Graduate standing.  
Lecture + Lab + Other: 0 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken unlimited times for up to 40 credits  

ART F609  Metalsmithing  
1-6 Credits  
Offered As Demand Warrants  
Exploration of selected topics in metalcraft with lectures, demonstrations, independent research and production of metalcraft at a level commensurate with graduate standing. May be repeated for credit.  
Prerequisites: Graduate standing.  
Lecture + Lab + Other: 0 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken unlimited times for up to 40 credits  

ART F611  Sculpture  
1-6 Credits  
Offered Fall and Spring  
Exploration of selected topics in sculpture with lectures, demonstrations, independent research and production of sculpture at a level commensurate with graduate standing. May be repeated for credit.  
Prerequisites: Graduate standing.  
Lecture + Lab + Other: 0 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken unlimited times for up to 40 credits  

ART F613  Painting  
1-6 Credits  
Offered Fall and Spring  
Exploration of selected topics in painting with lectures, demonstrations, independent research and production of painting at a level commensurate with graduate standing. May be repeated for credit.  
Prerequisites: Graduate standing.  
Lecture + Lab + Other: 0 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken unlimited times for up to 40 credits  

ART F619  Life Drawing  
1-6 Credits  
Offered As Demand Warrants  
Exploration of selected topics in drawing with lectures, demonstrations, independent research and production of drawing at a level commensurate with graduate standing. May be repeated for credit.  
Prerequisites: Graduate standing.  
Lecture + Lab + Other: 0 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken unlimited times for up to 40 credits  

ART F624  Field Artists of the North  
3 Credits  
Offered As Demand Warrants  
Study of field artists and their work, from explorer artists of yesteryear to today's field artists using varieties of traditional and contemporary media in their creations. Students will conceive and conduct their own study projects, producing a body of work that will demonstrate the principles and practice of field artists.  
Prerequisites: ART F105X; a studio art course (ART F161, ART F162, ART F163, ART F205, ART F211, ART F213 or ART F283); COM F131X or COM F141X.  
Cross-listed with ACNS F424.  
Stacked with ART F424; ACNS F624.  
Lecture + Lab + Other: 3 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus  

ART F625  Visual Images of the North  
3 Credits  
Offered As Demand Warrants  
This course examines the images of the peoples and landscapes of the Circumpolar North. It centers on documentary and artistic goals, translations from original sketches to published images, the relationship between Arctic imagery and prevailing historical styles, and the influences of changing worldviews on modes of Northern representation and expressions.  
Cross-listed with ACNS F625.  
Stacked with ACNS F425; ART F425.  
Lecture + Lab + Other: 3 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus  

ART F633  Graduate Field Painting  
1 Credit  
Offered As Demand Warrants  
This graduate course combines painting at outdoor locations with supporting lectures and indoor studios. Students will use drawings and small painted studies to produce finished oil/acrylic paintings. Concepts of space, light, color, composition, scale and elements of landscape paintings such as reflections, aerial and linear perspective will be addressed.  
Prerequisites: ART F413; ART F433.  
Lecture + Lab + Other: 6 + 21 + 0  
Grading System: Letter Grades with option of Plus/Minus  
Repeatable for Credit: May be taken unlimited times for up to 9 credits  

ART F656  Ceramic Materials  
3 Credits  
Offered Fall Even-numbered Years  
A thorough understanding of the materials used to make clay bodies and glazes is an essential tool for the ceramic artist. Through lectures, readings and lab work the student will better understand how different materials work together and how to safely utilize these materials in their own artistic practice.  
Stacked with ART F456.  
Lecture + Lab + Other: 1 + 4 + 0  
Grading System: Letter Grades with option of Plus/Minus
ART F661  Mentored Teaching in Art
1 Credit
Offered Fall and Spring
Mentored teaching provides consistent contact of course-related issues between teaching assistants and mentoring faculty. Graduates are required to be enrolled in a mentored teaching section while teaching.
Prerequisites: Graduate standing.
Special Notes: May be repeated for credit.
Lecture + Lab + Other: 1 + 0 + 0
Grading System: Pass/Fail Grades
Repeatable for Credit: May be taken 98 times for up to unlimited credits

ART F663  Seminar in Art History
3 Credits
Offered Fall Odd-numbered Years
A forum for discussion of a particular historical period or art historical idea. Topics vary each semester and will not be repeated during a two-year period. Topics include art since 1945, women in twentieth-century art, the American landscape tradition, etc.
Prerequisites: Graduate standing.
Stacked with ART F463.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken 3 times for up to unlimited credits

ART F664  History of Photography (h)
3 Credits
Offered As Demand Warrants
This course will provide an exploration of the history, impact and development of the photographic process, spanning from the earliest observations of optics, through the development of the first permanent image, and all the way to the most recent advances in digital technology.
Prerequisites: Graduate standing.
Stacked with ART F464.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F665  Advanced Photography Seminar
3 Credits
Offered Spring
Advanced discussion of photojournalism and photographic topics with field, studio and darkroom sessions. Topics will range from the photographic essay to the history of photography and working in series. Weekly classroom meetings will be supplemented by field, studio and darkroom sessions.
Prerequisites: ART F283 or ART F284.
Stacked with ART F465.
Lecture + Lab + Other: 2 + 3 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F666  Alaska Native Art Studio
1-6 Credits
Offered Fall and Spring
Through individualized study, students will refine their artistic practice guided with in-depth mentorship from faculty. Through the creative process and deep critical feedback, students will learn to define how their artwork is connected to the cultures they draw upon. Students will develop critical dialogue along with their studio practice.
Prerequisites: graduate standing.
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken 12 times for up to 36 credits

ART F670  Handmade Photographs
3 Credits
Offered Spring Odd-numbered Years
This course will introduce students to a wide array of historical photographic techniques and alternative processes while also providing contextual historical and contemporary information about each process. Processes covered include: Pinhole Camera Construction, Lumen Printing, Chemigram, Photogram, Cyanotype, Van Dyke Brown, Alumen and various transfer methods.
Stacked with ART F470.
Lecture + Lab + Other: 2 + 3 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F671  Two- and Three-dimensional Computer Design
1-6 Credits
Offered As Demand Warrants
Visualization and animation with applications to two- and three-dimensional computer design and typography. Emphasis on visual design for electronic and print publication. Includes animation of the components of 3-D models. May be repeated for credit.
Prerequisites: ART F471; graduate standing.
Lecture + Lab + Other: 0 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 40 credits

ART F672  Advanced Computer Visualization in Art
1-6 Credits
Offered As Demand Warrants
Computer visualization in art with production and reproduction of projects chosen from a wide range of topics. Includes lectures, demonstrations and laboratory experience. May be repeated for credit.
Prerequisites: Graduate standing.
Lecture + Lab + Other: 0 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken unlimited times for up to 40 credits

ART F673  History of the Role of the Artist
3 Credits
Offered Spring Even-numbered Years
Survey of theory and practices of professional training and education of the artist in relationship to political, social and philosophical conditions.
Prerequisites: Graduate standing.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F676  Advanced Digital Photography Portfolio (h)
3 Credits
Offered Fall, Spring and Summer
This class provides students with the concept of producing a professional digital portfolio of their Commercial and/or Art Photography and/or Photojournalism. Students submit new images each week for editing and critique. Over the semester three smaller bodies of work will become a 20-24 image professional portfolio.
Cross-listed with JOUR F676.
Stacked with ART F476, JOUR F476.
Lecture + Lab + Other: 2 + 3 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken 3 times for up to 9 credits
ART F684  Multimedia Theory and Practice
3 Credits
Offered As Demand Warrants
Study of techniques needed to produce multimedia for a special university or community agency project. For the purpose of this course multimedia is defined as computer-based, user-driven products with audio, visual and text components and also video or film where appropriate. Primary program is Flash. plus some mastery of a specialty in writing, art, or television production.
Prerequisites: Understanding of computer graphics programs like Illustrator, Freehand, etc.
Stacked with ART F484.
Lecture + Lab + Other: 3 + 3 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F687  Digital Darkroom
3 Credits
Offered Fall
Students will develop advanced photo editing and digital darkroom skills and create quality prints through Photoshop, Lightroom and other image techniques.
Prerequisite: ART F284.
Stacked with ART F487.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken 5 times for up to 15 credits

ART F688  Professional Practices for Visual Artists
3 Credits
Offered Spring Odd-numbered Years
This class provides a foundation of practical information for students as they begin to consider various career options in the visual arts. Topics include documentation, websites, promotion and description, exhibit installation methods, marketing, developing application materials for residencies and grants, as well as issues of health and safety.
Prerequisites: Graduate standing.
Stacked with ART F488.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus

ART F690  Current Problems
3 Credits
Offered Fall Even-numbered Years
A forum for discussion of aesthetic and professional problems confronted by artists. Instructor and students moderate discussion and students investigate topics. Past semesters included: approaches to figuring of contemporary painting and sculpture, health hazards for the professional artist, portfolio development, gallery access, production far from major cultural centers, etc.
Prerequisites: Graduate standing.
Stacked with ART F490.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken 98 times for up to unlimited credits

ART F691  Fine Art Seminar  (h)
1 Credit
Offered Fall and Spring
This course is a studio critique for BFA and MFA students. The course is structured as a hybrid seminar/critique, with weekly readings, discussions, and studio critique sessions. The course also includes writing assignments as an integrated element of contemporary studio practice preparing students for their solo exhibition.
Prerequisites: Acceptance into the BFA program.
Stacked with ART F491.
Lecture + Lab + Other: 1 + 0 + 0
Grading System: Pass/Fail Grades
Repeatable for Credit: May be taken 12 times for up to 12 credits

ART F692  MFA Seminar
3 Credits
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken 98 times for up to unlimited credits

ART F698  Non-thesis Research/Project
1-9 Credits
Lecture + Lab + Other: 0 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus
Repeatable for Credit: May be taken 98 times for up to unlimited credits

ART F699  M.F.A. Thesis Project
1-9 Credits
Lecture + Lab + Other: 1 + 4 + 0
Grading System: Pass/Fail Grades
Repeatable for Credit: May be taken 98 times for up to unlimited credits