El Camino Community College

PROGRAM REVIEW 2016

Fine Arts Photography



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SECTION 1 Overview of the Program

A) Provide a brief narrative description of the current program, including the program's mission statement and the students it serves.

The Photography A.S. degree and the Photography Certificate of Achievement provide El Camino College students with a comprehensive foundation in the techniques, skills, and processes of commercial and creative photography. Each student acquires practical and creative skills relating to film and digital camera operation, color theory, analog/film processing and printing, digital printing, photographic lighting, and composition through a wide range of studio courses and elective choices. The course, The Art of Photography, Art/Photo 150, is required for the A.S. degree in Photography, and covers the history of Photography from 1826 to the present day. Studio photographic lighting and business practices are emphasized in the advanced Photography courses. The A.S. degree in Photography offers a wide range of elective choices to assist students in directing their studies towards a particular aspect of professional photographic practice. Photography majors choose electives from Business, Art, Film/Video, Physics, Digital Art, and Journalism courses to complete their degree requirements. Professor Darilyn Rowan has modeled the degree program and requirements on the Visual Studies Department at Harvard University. Visual Studies at Harvard University is a degree program for photography, filmmaking, video/art, and performance and critical theory. Students gain understanding of a specific discipline through both theoretical study and studio practice. The Visual Studies degree requires students to take courses outside of their selected discipline in other areas of the concentration. A Photography focus might include courses in painting and filmmaking. The elective pattern of courses in the Photography degree at El Camino College allows for a similar range of focus. This combines a conservatory approach with a broad liberal arts education. The Photography Department prepares students for transfer in addition to providing CTE training. Students in the Photography Department participate in various publications on campus. The Myriad Creative Arts Journal is the campus literary arts magazine, and is published each spring by the English Department and the Humanities Division. Each year students in the Photography Department have photographs accepted by a juried competition for publication in the Myriad. Thirteen photography students had photographic images selected for publication in the 2016 edition. The El Camino College student newspaper, The Union, provides opportunities for students in the Advanced Photojournalism course, and students publish a wide range of examples of sports, hard news, feature and photo essay photography images. Campus publications also include the news magazine, Warrior Life, which provides opportunities for students in the Advanced Photojournalism course to publish photo essays, photo illustration, and feature photographs. Students in the Photography

Department also participate in off campus photography competitions, including Photographer's Forum Best of College Photography international competition. College students from two and four year, public and private, colleges and universities around the world submit black and white, color, digital and analog photographic images to the annual competition. Approximately 5% of the entries are awarded Finalist Honors. Students earning Finalist Honors are awarded a Certificate of Honors, and their award-winning photographs are published in the hardback annual and posted in the online annual. Each year approximately 5-10 El Camino College Photography Department students earn Finalist Honors, including 6 students in 2016 and 5 students in 2017. The Photography Department sponsors the Annual Student Photography Exhibition in the El Camino College library each spring semester. The exhibition includes approximately 60-70 black and white, color, digital and film photographs, by beginning through advanced students, as well as alumni, in the library lobby exhibition area during the entire month of April. There is an opening reception for the entire campus and surrounding community, drawing current and former students, along with members of the campus and local community. The theme for the April 2017 exhibition is "Mirrors and Windows". Our students also organize exhibitions of their photographs in a variety of venues in the South Bay. Professor Darilyn Rowan gives guest lectures and critiques to the South Bay Camera Club approximately twice a year.

B) Describe the degrees and/or certificates offered by the program.

El Camino College offers an A.S. degree in Photography and a Certificate of Achievement in Photography.

A.S. Degree Photography Required Core Courses: 20-21 units

Photography 101 Elementary Photography (2 units)

Or

Photography 106 Basic Photojournalism (3 units)

Or

Journalism 6 Basic Photojournalism (3 units)

Photography 150 The Art of Photography (3 units)

Or

Art 150 The Art of Photography (3 units)

Photography 102 Basic Photography (3 units)

Photography 202 Intermediate Photography (4 units)

Photography 203 Advanced Photography (4 units)

Photography 223A The Theory of Color/Color Printing (4 units)

3 units from:

Photography 204 Portraiture (3 units)

Photography 206ab Advanced Photojournalism (2 units)

Or

Journalism 7ab Advanced Photojournalism (2 units)

Photography 223B Intermediate Color Photography/Printing (4 units)

Photography 254 Intermediate 35mm Black and White Photography (2 units)

Photography 257 Creative Photographic Processes (2 units)

Art 141 Digital Art Fundamentals (3 units)

Film 122 Production 1 (3 units)

Film 234 Camera and Lighting (3 units)

3 units from:

Art 130 Two-Dimensional Design 1 (3 units)

Art 142 Digital Photography (3 units)

Business 11 Accounting for Small Business (3 units)

Business 12 Advertising (3 units)

Physics 11 Descriptive Introduction to Physics (3 units)

Total Units: 26-27

Recommended Electives:

Art 101 Art and Visual Culture: A Global Perspective (3 units)

Art 110 Drawing Fundamentals (3 units)

Art 143 Digital Publishing Fundamentals (3 units)

Business 20 Business Management (3 units)

Business 24 Small Business Entrepreneurship (3 units)

Photography Certificate of Achievement: 26-27 units

Required Core Courses

Photography 101 Elementary Photography (2 units)

Or

Photography 106 Basic Photojournalism (3 units)

Or

Journalism 6 Basic Photojournalism (3 units)

Photography 102 Basic Photography (3 units)

Photography 202 Intermediate Photography (4 units)

Photography 203 Advanced Photography (4 units)

Photography 223A Theory of Color/Printing (4 units)

9 units from:

Film 234 Camera and Lighting (3 units)

Photography 204 Portraiture (3 units)

Photography 206ab Advanced Photojournalism (2 units)

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Journalism 7ab Advanced Photojournalism (2 units)

Photography 223B Intermediate Color Photography/Printing (4 units)

Photography 254 Intermediate 35mm Black and White Photography (2 units)

Photography 257 Creative Photographic Processes (2 units)

The Photography Department has a high graduation rate with the number of Photography A.S. degrees and Certificate of Achievements earned.

2004-2005 A.S. degree Photography earned: 10

2005-2006 A.S. degree Photography earned: 3

2006-2007 A.S. degree Photography earned: 2

2007-2008 A.S. degree Photography earned: 5

2008-2009 A.S. degree Photography earned: 1

2009-2010 A.S. degree Photography earned: 8

2010-2011 A.S. degree Photography earned: 7

2011-2012 A.S. degree Photography earned: 8

2012-2013 A.S. degree Photography earned: 4

2013-2014 A.S. degree Photography earned: 3

2014-2015 A.S. degree Photography earned: 6

2015-2016 A.S. degree Photography earned: 4

2015-2016 Photography Certificate of Achievement earned: 6

Approximately 17 sections of Photography courses are offered each fall and spring semester. Three courses are offered during the summer session. Two courses were offered during the 2017 winter session. Approximately 750-800 students are served annually. During the fall 2016 semester, Professor Darilyn Rowan taught a section of Art/Photography 150 at City Honors Charter High School in Inglewood, California. This class served approximately 21 students.

C) Explain how the program fulfills the college's mission and aligns with the strategic initiatives.

The mission of El Camino College is to make a positive difference in people's lives by providing a comprehensive educational programs and services that promote student learning and success in collaboration with our diverse communities.

STRATEGIC INITIATIVES

1. Student Learning: Support student learning using a variety of effective instructional methods, educational technologies, and college resources.

The Photography Department is an important part of the larger El Camino College learning community through it's in-depth curriculum and studies, outreach to the larger campus and surrounding community, and the success of students and alumni. The Photography Department supports student learning through a wide range of instructional methods, including lecture-demonstrations in the digital and wet labs and in the portable lighting studio, guest speakers, campus photography exhibitions, directed assignments and readings, and class critiques of student photographic projects. The course of studies in the Photography Department include digital and analog techniques and printing methods, lighting, composition, business practices, exhibitions and installations, and camera operation. Photography courses are included in a variety of fields of study at El Camino College. The Journalism degree includes photojournalism courses. The Film/Video degree includes a beginning Photography course. The Forensics Certificate of Achievement requires Photography 101. The Art degree, both the Art History and Studio Art options, include Photography 101 as an elective option.

The following certificates in the Art Department include Photography courses:

Computer Animation Certificate of Achievement

Digital Photography Certificate of Achievement

Motion Graphics Certificate of Achievement

Visual Communications Certificate of Achievement

Photography courses are included in the El Camino College General Studies A.A. degree under the Areas of Emphasis in Fine and Applied Art, Arts and Humanities, and Culture and Communications. The Art/Photography 150 course fulfills CSU General Education requirements under Area C and IGETC requirements under Area 3. The Art/Photography 150 course also fulfills General Education requirements for the El Camino College Associate of Arts degree and the Associate of Science degree.

2. Student Success and Support: Strengthen quality educational and support services to promote and empower student learning, success, and self-advocacy.

The Photography Department works to strengthen the quality of all Photography courses at El Camino College through ongoing discussions with students, faculty, CTE Advisory Board members, and working professionals in the field. This includes annual staff development workshops through the El Camino College Staff Development Office for the full-time faculty member, Professor Darilyn Rowan, and these workshops are also

made available by the college to any interested adjunct faculty member. Professor Rowan mentors new adjunct faculty in the Photography Department to promote quality education and a respectful atmosphere in the program. This mentoring includes tours of the campus, lecture-demonstrations on all digital lab and analog lab facilities, along with a thorough explanation of the lighting and camera equipment available for instruction and student use, and functioning as a point of contact throughout the semester. Professor Darilyn Rowan is the only full-time faculty member in the Photography Department, and provides support to seven adjunct faculty members who teach both studio photography courses, and the survey course, The Art of Photography. This includes assigned evaluations of part-time adjunct faculty. The Photography Department hosts guest speakers in various classes and for master classes to increase student learning and professional opportunities for our students. The Photography Department encourages and empowers student self-advocacy through classroom instruction in photographic business practices, the diversity of the faculty in the program, and providing opportunities to publish photographic work in the college newspaper and news magazine, and international student competitions. Photography is a nontraditional career for women, and Professor Darilyn Rowan was hired in 1989 as the first woman to teach Photography fulltime at El Camino College. The Carl Perkins Career and Technical Education Act of 2006 (Perkins IV) states that Applied Photography is a nontraditional career for women, and Professor Darilyn Rowan had to live this self-advocacy as a professor and photographer here at El Camino College, and this has set an example for the students in the department. Professor Rowan is an accomplished photographer with artwork in museums and archives in the United States and around the world. Her photographs have been published and exhibited widely, including a photograph published in Photographer's Forum Best of Photography Annual: 2016. Professor Rowan works part-time with the fine arts area of a major art auction house. She is a certified Paralegal with an interest in Intellectual Property Law in the arts.

Students and alumni of the El Camino College transfer to four-year colleges and universities and go directly into gainful employment. Photographer's Forum Best of Photography is an annual international photography competition, which receives thousands of entries each year. 100 Honorable Mentions are awarded each year, including to an El Camino College Photography Department alumnus in 2016. Our alumnus recently completed a Master of Fine Arts degree in Photography from San Jose State University and is teaching photography at a private college prep school in Palo Alto.

3. Collaboration: Advance an effective process of collaboration and collegial consultation conducted with integrity and respect.

The Photography Department has a long tradition of collaboration and collegial consultation with various departments, faculty and staff, and the entire campus community. Professor Rowan has provided numerous photo-based presentations for El Camino College Foundation events, including pop-up exhibitions of student work, greetings cards featuring student photographs, and an evening exhibition of color digital photographs by a member of the El Camino College CTE Advisory Board, Kurt Weston. Mr. Weston is a legally blind photographer and artist who inspires and advises our program. The Photography Department is currently participating in the Embedded Librarian Program through the El Camino College library. A college librarian gives a presentation on research methods utilizing the databases available through the college, and proper research techniques online for a research project in Art/Photography 150. This is the only course in the Fine Arts Division participating in the Embedded Librarian Program. The Photography Department collaborates with the college library each spring with the Photography Department Annual Student Photography Exhibition. Photography Department students and alumni exhibit color, black and white, film and digital images illuminating a general theme for the exhibition. The exhibitions generally include approximately 60-70 photographs framed on the walls and displayed in the glass display cases. The themes in the last four years include "Truth and Beauty", "Light and Shadow", "Water", and the theme for this spring 2017 is "Mirrors and Windows". The Photography Department has collaborated with the Music Department to facilitate opportunities for student musicians to perform during the opening night reception. The Photography Department has collaborated with the El Camino College Center for the Arts through photographic installation exhibitions during staged performances such as The Jazz Festival and the Phantasms performance. Students produce and display photographic images related in some manner to the evening's performance. The Photography Department collaborates with the Art Department through the Art and Photography Departments Student Art Exhibition in the El Camino College Art Gallery each spring semester. Students from the various photography courses, beginning through advanced, exhibit black and white, color, digital and film photographs in the exhibition, along with student paintings, ceramics, jewelry, prints, sculptures, drawings, and digital art. There is an Open House that accompanies the opening night reception for the exhibit, and the Photography Department participates in the event by hosting a photogram demonstration open to the public. Photograms are produced by placing opaque and translucent objects on light-sensitive silver gelatin black and white photographic paper, exposing and processing the paper to light in a wet lab darkroom. This introduces the essential concepts of photography. It is a historical process with contemporary applications for photographers. Below are examples of photograms by William Henry Fox Talbot and Anna Atkins, and the digital images are courtesy of the Getty Digital Open Content Program.



Digital images courtesy of the Getty Open Content Program

Photography Department full-time and adjunct faculty members exhibit their own photographic works of art in the annual faculty art exhibition in the El Camino College Art Gallery. Professor Rowan collaborates with faculty in the Journalism and Art Departments to review curriculum for cross-listed courses on campus. Students in the Photography Department make and process photographs for the Journalism publications on campus and for the creative arts magazine, Myriad. The Photography Department encourages student collaboration in class through lighting design assignments that require several students to work together in the learning process. Photography courses involve collaborative critiques of student assignments that are led by the instructor and directed to involve all students in the class. Professor Rowan works to create a learning community in the Photography Department, and to encourage a respectful and useful collaborative template across campus.

4. Community Responsiveness: Develop and enhance partnerships with schools, colleges, universities, businesses and community-based organizations to respond to the educational, workforce training, and economic development needs of the community.

Professor Rowan works to develop and enhance student learning through partnerships with professional and community photography organizations and educational institutions. During the fall of 2016 two sections of Art/Photography 150 were offered at area high schools as dual enrolled courses. The students were enrolled as El Camino College students, and received both college and high school credit upon successful completion of the course. An adjunct faculty member taught a section at a Torrance high school. Professor Darilyn Rowan taught a section of Art/Photography 150 at City Honors Charter High School in Inglewood. She also wrote college recommendation letters for a number of students who were dual enrolled at El Camino College and City Honors Charter High School. The Photography Department has developed and enhanced a working relationship with the South Bay Camera Club over the past 25 years. Professor Darilyn Rowan gives several lectures a year to the members at monthly meetings, and she is scheduled to give a lecture on a topic in the history of Photography to the South Bay Camera Club members at the Monday, May 22, 2017 meeting. Professor Rowan also encouraged the South Bay Camera Club to apply for an exhibition of member photographs in the El Camino College library. For the past few years the SBCC has installed exhibitions of member work in the college library during the summer months. Professor Rowan worked with the President of the SBCC to organize a "meet and greet" for students to view with the work in the library and listen to an informal lecture by the exhibiting members. The next exhibition by the South Bay Camera Club is scheduled for May 2017. The Photography Department has been a supporter of the CARE Club on campus. Professor Rowan was a juror for the CARE Club Talent Show and Fundraiser on November 18, 2016. The club presented her with a plaque thanking her for supporting the organization. The Photography Department CTE Advisory Board has served the students as an ongoing link to current professional practices and opportunities in the field of creative and commercial photography. Mr. Patrick Record, alumni of El Camino College and the University of Montana, is a professional photojournalist currently under contract with the Associated Press. Patrick visits our department approximately 1-2 times a year to give presentations to our students on photojournalism today. There is a wide range of photographic experience and expertise among the adjunct faculty members in the Photography Department, including a new adjunct faculty member whose specialty is architectural photography. Professor Rowan has worked part-time for a major art auction house since 1998. She works primarily in the fine arts area. Professor Rowan has arranged visits to auctions by students in Art History courses.

5. Institutional Effectiveness: Strengthen processes, programs, and services through the effective and efficient use of assessment, program review and planning, and resource allocation.

Professor Darilyn Rowan is the only full-time faculty member in the Photography Department. She was hired in the fall of 1989 as the first woman to teach Photography full-time in the history of El Camino College. Photography is a nontraditional career path for women. Darilyn Rowan has worked tirelessly to support under-represented groups in the study and practice of creative and commercial Photography. Professor Rowan is assigned all SLO assessments, Program Review, CTE Program Review, Curriculum reviews, and Program Planning. All required assessments are currently up to date. Photography 106 and 206ab and Art/Photography 150 are cross-listed courses, and Professor Rowan works with the appropriate faculty in the respective areas to complete the course curriculum reviews.

6. Modernization: Modernize infrastructure and technological resources to facilitate a positive learning and working environment.

The Photography Department moved from the basement of the Communications building to the basement of the Art building in the summer of 2009. The funds for the renovation of an existing storage space were allocated from the ECC bond. The college renovated one of the two storage closets as a digital lab, and the second storage closet was renovated as an analog wet darkroom. Professor Rowan successfully applied for CTE grant money to fund the purchase Mac computers and software for the digital lab. The college upgraded the hardware and software for the digital lab in 2015. Professor Rowan successfully applied for CTE funding to purchase two LED lighting kits for the Photography Department, which has helped to modernize the instructional lighting

capacity for the department. The modernization of the Photography Department has included access and utilization of the Digital Print Center in room Art 218. Students prepare digital files in the digital lab in room Art 9. The digital file is saved on a USB flash drive for printing in room Art 218. The Digital Print Center provides high quality digital prints of various sizes for a very modest price. Students from various photography and art classes all utilize the printing services for their class assignments. Students purchase a digital print card from the Marsee Auditorium box office to pay for the prints. The Digital Print Center facilitates a positive learning and working environment for the students in the Photography Department. Besides the Digital Print Center, there is also an open digital lab in room Art 218. This open lab provides photography students access to software and tutorials in various aspects of digital photography and art. It also provides an educational and creative space for students to interact with classmates in an informal but focused manner. The quality of the black and white and color digital prints produced by the Digital Print Center is outstanding and inexpensive, so this is a huge support to student success. Professor Darilyn Rowan manages a wordpress.com blog for the Photography Department. The blog features student achievements, exhibitions, guest speakers, CTE Advisory Board member news, department alumni news, and short posts about various aspects of photography. The wordpress.com blog has had over 150,000 visits in the last 8 years. The students reference the blog as very useful in their educational process. The web address is reginarowanart.wordpress.com. The Art/Photography 150 courses (survey courses) are scheduled and taught in lecture rooms in the Art building, including Art 1, Art 103, and Art 106. The rooms include a teacher station, digital projector, and a computer. There is Internet access in all three of the lecture rooms. The instruction in Art/Photography 150 is supported by the infrastructure in the lecture rooms. The studio photography course lectures are taught in room Art 15. There is no teaching station in room Art 15, and this has made instruction and learning more difficult for both instructors and students. Professor Rowan, along with adjunct faculty, has repeatedly stated the need for a teaching station in room Art 15. The need has been discussed in SLO assessment reports, previous program reviews, and program planning. The room currently has a digital projector installed on the classroom ceiling, and the necessary wiring is already complete, and simply needs to be connected to a teaching station and computer. Professor Rowan has reserved Art 1 for course lectures in several photography courses, however that availability is dependent on the scheduling of art history courses. The funding for a teaching station was approved, but for some unknown reason, has been put on hold for the present time. Our enrollment in the Photography courses remains strong and the request remains pressing and active.

D) Discuss the status of recommendations from your previous program review.

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1. To hire a permanent 50% lab technician dedicated to the Photography Department.

Status: Active

2. A long-range recommendation is the hiring of a full-time, tenure track faculty member to teach in the Photography Department.

Status: Active

3. The Photography Department is planning on more courses from other campus programs to the elective patterns for the Photography A.S. degree and the Photography Certificate of Achievement. The Visual Studies degree program at Harvard University is a stellar example of photography, film/video, art, and liberal arts courses that comprise a visual media education. Professor Rowan recommends that additional courses from Film/Video, Design, Art and Art History, Business, Geography, Anthropology, Theater, Journalism, American Studies, Architecture, Astronomy, Computer Information Systems, Humanities, Fashion Design programs be added to the Photography A.S. degree and Photography Certificate of Achievement elective patterns.

Status: Partially completed and Active

4. Room Art 13 currently serves as a small storage area for photographic supplies and chemicals for the Photography Department. It is a former faculty office that has been used as a makeshift storage space since the Photography Department moved to the Art and Behavioral Sciences building in 2009. The storage area is in need of more sturdy shelving to store supplies. This recommendation is to have the campus facilities install shelving in Art 13. This is a health and safety issue.

Status: Completed

5. The installation of a lighting studio to be shared by the appropriate departments in the Fine Arts Division. Photographic assignments using studio lighting are required in all intermediate and advanced photography courses. The lighting studio would be designated for Photography, Film/Video, and Design.

Status: Active

6. A long-term goal is the design and construction of a Photography Department facility in the future Fine Arts Complex at El Camino College. The Photography Department needs to be involved in the planning stages. We have already done one successful move across campus. The design of a new Fine Arts complex opens up a wealth of opportunities for sharing facilities among appropriate departments and resulting benefits to our students. The cost of a Photography facility in a new

building complex will be determined by the available space at that time, along with a cost analysis by the college.

Status: Active

7. Adding a day section of Photography 102. There is currently just one section of Photography 102, which is offered on Tuesday evening.

Status: Abandoned

8. The purchase and installation of Photoshop Light Room. The purchase and installation of Photoshop CS6. Both can be obtained through the purchase and installation of Adobe Creative Suite 6.

Status: Completed

9. The design and development of a course on the History of Photography

Status: Completed (Art/Photography 150 is a survey course that includes the history of photography from 1826 to the present day. Currently four sections are offered each semester, two sections in summer school, and two sections in winter session.)

10. The Photography and Film/Video Departments are both CTE programs at El Camino College and are each led by one full-time tenured professor. This recommendation is to discuss the possibility of combining the programs into one department on campus within the Fine Arts Division. The programs already include classes from each department in the respective degree programs.

Status: On Hold

Analysis of Research Data

A) Head count of students in the program

785 students in 2014-215

B) Course grade distribution:

The course grade distribution is primarily in the A to B range, and demonstrates that the majority of students are succeeding in the coursework.

C) Success rates (Discuss your program's rates, demographic success characteristics and set a success standard for your program.)

The success rate for the Photography Department has steadily increased from 2011-2012 through 2014-2015. The success rate in 2011-2012 was 74.6% and increased in 2014-2015 to 80.8%. The success standard is 75%.

D) Retention rates (if applicable, include retention based on placement method)

The retention rate for the Photography Department has steadily increased from 2011-2012 through 2014-2015. The retention rate in 2011 was 85.4% and increased in 2014-2015 to 88.5%.

E) A comparison of success and retention rates in face-to-face classes with distance education classes

The Photography Department does not offer distance education courses.

F) Enrollment statistics with section and seat counts and fill rates

G) Scheduling of courses (day vs. night, days offered, and sequence)

The scheduling of Photography courses serves the needs of our students very effectively.

H) Improvement Rates (Course success by placement method, if applicable) $N\!/\!A$

I) Additional data compiled by faculty.

The enrollment in the Photography Department has risen steadily since the 2011-2012 academic year. The Annual Program Participation had a total of 692 students in 2011-2012, and has increased to 785 students in 2014-2015. This data demonstrates that enrollment in the Photography Department is steadily increasing. The Photography Department has added sections of The Art of Photography course,

Art/Photo 150 since 2013. This is a cross-listed course between the Art and Photography Departments. Students can enroll in Art 150 or Photography 150 for the course. The Art Department receives the FTES for the students enrolling in Art 150 and the Photography Department receives the FTES for students enrolled in Photography 150. The enrollment in all the sections of Art/Photography 150 is very strong, but the split FTES produces a lower Sections Fill Rate number. This is reflected in the Sections Fill Rates from 2011-2015. The Annual Program Participation numbers are increasing with a lower Section Fill Rate that reflects and contains the split FTES for the Art/Photography 150 sections.

J) List any related recommendations.

Curriculum

Review and discuss the curriculum work done in the program during the past four years, including the following:

A) Provide the curriculum course review timeline to ensure all courses are reviewed at least once every 6 years.

Photography Curriculum Course Review Timeline

Photography 99: 2014-2015

Photography 101: 2014-2015 2016-2017 2018-2019 (2 year CTE review)

Photography 102: 2014-2015 2016-2017 2018-2019 (2 year CTE review)

Photography 106: 2011-2012 2014-2015 2018-2019 (2 year CTE review)

Photography 150: 2012-2013 2018-2019

Photography 202: 2013-2014 2015-2016 2017-2018 2019-2020 (2 year CTE review)

Photography 203: 2013-2014 2015-2016 2017-2018 2019-2020 (2 year CTE review)

Photography 204: 2014-2015 2016-2017 2018-2019 (2 year CTE review)

Photography 206ab: 2011-2012 2014-2015 2016-2017 2018-2019 (2 year CTE review)

Photography 223A: 2013-2014 2015-2016 2017-2018 2019-2020 (2 year CTE review)

Photography 223B: 2013-2014 2015-2016 2017-2018 2019-2020 (2 year CTE review)

Photography 254: 2011-2012 2014-2015 2016-2017 2018-2019 (2 year CTE review)

Photography 257: 2013-2014 2015-2016 2017-2018 2019-2020 (2 year CTE review)

B) Explain any course additions to current course offerings.

The additional sections of, and strong enrollment numbers in, the Art/Photography 150 course has increased enrollment numbers. The course is extremely popular and serves as a feeder course to the studio photography courses.

C) Explain any course deletions and inactivation of courses from current course offerings.

N/A

D) Describe the courses and number of sections offered in distance education. (Distance education includes hybrid classes.)

N/A

- E) Discuss how well the courses, degrees, or certificates meet students' transfer or career training needs.
 - 1. Have all courses that are required for your program's degrees and certificates been offered during the last two years? If not, has the program established a course offering cycle?

Yes, all courses required for the A.S. Photography degree and the Photography Certificate of Achievement have been offered in the past two years.

2. Are there any concerns regarding program courses and their articulation to courses at other educational institutions?

No

3. How many students earn degrees and/or certificates in your program? Set an attainable, measurable goal related to student completion of the program's degrees/certificates.

Please see data and numbers under B: Describe the degree and certificates offered by the program.

4. Are any licensure/certification exams required for program completion or career entry? If so, what is the pass rate among graduates? Set an attainable, measurable goal for pass rates and identify any applicable performance benchmarks set by regulatory agencies.

There are no licensure/certification exams required.

F) List any related recommendations.

The recommendation is for additional sections of Art/Photography 150 to be offered on campus and at area high schools.

Assessment of Student and Program Learning Outcomes (SLOs & PLOs)

- A) Provide a copy of your alignment grid, which shows how course, program, and institutional learning outcomes are aligned. (This will be Appendix A.)

 See attached
- B) Provide a timeline for your course and program level SLO assessments. (This will be Appendix B.) See attached
- C) State the percent of course and program SLO statements that have been assessed. 100% of required assessments
- D) Summarize the SLO and PLO assessment results over the past four years and describe how those results led to improved student learning. Analyze and describe those changes. Provide specific examples.

The SLO and PLO assessments results over the past four years have been very instructive in two ways, and those results have led to improved student learning. The first significant result is the stated need for a teacher station and computer in Art 15. This result was stated in SLO assessment reports for a number of courses. The second significant result was in regards to Photography 150. The SLO assessment process revealed that the assigned adjunct faculty was not teaching in alignment with the course outline. When that adjunct instructor retired, Professor Rowan began to teach sections of the course in alignment with the course outline, and enrollment soared. Multiple sections are offered during the fall and spring semesters, winter session and summer school. Two sections have been offered at area high schools. Enrollment and student learning has increased as a result of changes that resulted from the SLO assessment process.

E) Describe how you have improved your SLO/PLO assessment process and engaged in dialogue about assessment results.

Complete alignment of the SLO/PLO assessment process to course objectives and class assignments. Professor Rowan is the only full-time faculty member in the Photography Department. She is responsible for all SLO/PLO assessments in the department. Professor Rowan works with individual adjunct faculty members in the Photography Department who teach courses that need to have SLO assessments done. She has guided adjunct faculty through the process and how to upload assessment reports to Tracdat. The SLO/PLO assessment process has improved in respect to effective assessments, assessment and reports completed in a timely manner, and the clarity and application of the results to classroom instruction and student learning. The entire process has required ongoing dialogue about the SLO assessment with the adjunct faculty members. The process also opened another level of dialogue with students regarding the learning process and student results. This is a positive and ongoing result of the entire SLO/PLO assessment process.

F) List any related recommendations.

Schedule additional sections of Photography 150 Installation of a teaching station in room Art 15

Analysis of Student Feedback

Provide a copy of any feedback reports generated by Institutional Research and Planning or your program. Review and discuss student feedback collected during the past four years including any surveys, focus groups, and/or interviews.

A) Describe the results of the student survey in each of the following areas:

1. Student Support

Faculty members are evaluated on a regular basis, and the evaluation includes student survey results. The student survey results for faculty in the Photography Department are consistently strong and indicate the faculty is doing an effective job in the classroom. The full-time faculty holds group discussions with students regarding the effectiveness of the instruction and vision in the Photography Department. These discussions are encouraged during workshop sessions for students interested in the A.S. degree in Photography and the Photography Certificate of Achievement, group sessions to prepare for the student photography exhibition in the college library, and in small group discussions before and after classes. The students report satisfaction with the teaching faculty and course instruction, and the support and extracurricular activities available to students. Students request for letters of recommendation, image editing for competitions, and appointments to discuss course assignments are fulfilled. Students report that the Photography Department offers satisfactory student support and extracurricular opportunities on an ongoing basis. There is outstanding participation by beginning through advanced students in the annual student photography exhibition in the college library.

2. Curriculum

The curriculum is reviewed on a regular basis as determined by the college curriculum review timeline. The curriculum is broad-based and provides for a solid education in photographic techniques, processes, and creative explorations with various photographic technology and procedures. Students express satisfaction with the course curriculum in the Photography Department. Group interview/discussions requesting feedback from students on the Photography Department curriculum reveal students learn solid photographic technique and principles of photographic design. The members of the Photography Department CTE Advisory Board members offer great support to the direction and content of the curriculum.

3. Facilities, Equipment, and technology

The Photography Department has been located in the basement of the Art and Behavioral Sciences building since the summer of 2009. Previously the department was located in the basement of the Communications building on the north side of campus. The location

of the Photography Department consists of Art 15 as a lecture room and temporary lighting studio, a wet lab/analog darkroom in room Art 9 and a computer lab in Art 9. The Art of Photography survey lecture course is taught in room Art 1. The students have access to the Digital Print Center and digital open lab in room Art 218. The feedback from students consistently reveals a need for a designated lighting studio for the Photography Department and a larger computer lab. The student comments reveal that the darkroom facility is excellent, however there is a need for a designated lighting studio, along with a larger computer lab.

4. Program Objectives

The objective of the Photography Department is to support and fulfill the mission of the El Camino College. El Camino College strives to make a positive difference in people's lives, and the Photography Department strives to provide the training and aesthetic education for students to improve their professional lives, make a living with commercial and creative photography, and explore creative photography as an art form. The students and alumni in the Photography Department publish and exhibit their photographs in online and hardcopy books, magazines, and exhibitions.

B) Discuss the implications of the survey results for the program.

The implications of the student feedback are that the program is meeting student needs for vocational training and a broad based education.

C) Discuss the results of other relevant surveys.

N/A

D) List any related recommendations.

A lighting studio designated for the Photography Department A computer lab with 20 Mac computers for student use

Facilities and Equipment

A) Describe and assess the existing program facilities and equipment.

The facilities for the El Camino College Photography Department are located in Art 15 and Art 9 in the basement of the Art and Behavioral Sciences building. Art 15 is a classroom with seating available for approximately 40 students. The chairs and tables are adequate for classroom lectures. Art 15 also functions as the lighting studio for the Photography Department. Portable studio backdrops are set up for each class session that involves studio lighting. This involves the faculty setting up a metal frame paper backdrop stand, and loading a roll of background paper onto the upper support bar. The Mole Richardson studio lights are kept in room Art 15 along the walls. The lights are arranged along the walls for safe and easy access. The lights are moved to the center of the classroom area, after the desks have been moved to create a workspace, and portable background stands set up. At the end of a photographic session using studio lighting, all the studio lights are put back against the walls and the backdrop broken down and stored properly. Both sides of the classroom have ceiling track lights so that is a support for lighting projects. There are four white boards in the classroom for putting notes on the board. A VCR with DVD player is housed in the room for presentations related to class content and assignments. An aging projection screen is located in the front of the room. There is no computer and teacher station in this classroom despite my ongoing requests, both in SLO assessments, Program Review, department meetings, Division Council, meetings with deans, asking colleagues for help. There is no understandable reason for this situation. The request is still ongoing with no hope of any support from the college administration despite our strong program. There was an electrical upgrade to Art 15 allowing for the required number of studio lights for assignments. The digital and analog lab facilities are located in Art 9. The entrance to the lab location is approximately 20 feet from the classroom. Two doors are located between the classroom and lab location, including a door to the storage area for the Photography Department and a storage area for the custodial/facilities assigned to this building. The close proximity of the classroom and lab facilities supports effective instruction, in addition to student health and safety. Students enter through Art 9 to access both the wet lab and the digital lab areas. The word "Photography" translates from Greek as "light-writing". The El Camino College Photography Department offers instruction in various types of image making with light and light-sensitive materials. This includes digital photography, analog/film photography, alternative print techniques and processes, and sun printing. Art 9 has working labs to support these various imaging making techniques. Professor Rowan worked with the ECC facilities to design a working photography lab area out of an area with a long stainless steel sink, two large storage area rooms, and a large bathroom. The facility is now comprised of an enlarger room, wet sink area for print processing, a film loading and processing area, and a computer lab. Upon entering Art 9, there is an area that holds supplies and equipment the student checks out to work in either the Mac lab or the wet lab. The student can go directly to the Mac lab and work on an assignment with digital materials or proceed into the wet lab to work with analog materials. The digital lab for the Photography Department has ten Mac

computers that were purchased for the program through a successful CTE grant application by Professor Rowan. The digital lab is situated in a former storage area and can be securely locked. The darkroom for wet lab and analog film photography is located directly next to the digital lab. This was planned intentionally so that students could choose either film or digital materials for each assignment, and the instructor can be in close proximity to both work environments. The wet lab is divided into two main areas. There is a large stainless steel sink area, supporting two complete sets of processing chemicals, along with a small and effective stationary film dryer. There is another door that leads to a small room used for film loading. (Black and white and color film are sensitive to all three wavelengths of light, so the film must be loaded in complete darkness into film development tanks.) A second door in the sink area leads directly to a secure storage area where a small amount of eco-friendly photographic chemicals are properly stored. This storage area has two doors; one leading out to the common hallway and the internal door in the wet lab area. It is the second exit from the wet lab in the event of an emergency. The entrance to the dry enlarger room is just off the sink area. The enlarger room holds 12 enlargers that are used to make black and white and color prints from 35mm, medium format, and 4 x 5 negatives. The walls and ceilings of both the sink and enlarger rooms are all painted black to prevent reflected light from fogging the photographic printing paper. The enlargers are located on tabletop shelving around the sides of the room with lockers for student use. The heating, cooling and ventilation systems in the photography facilities are outstanding. It was installed in the spring of 2009 and it has served the department extremely well. The Photography Department uses environmentally friendly photographic materials. The Photography Department does not have a digital print area located in the primary designated space of labs and classroom due to space limitations. Students prepare digital files in the computer lab located in Art 9 and have the prints processed in the digital print center in Art 218. This is the location of the Digital Print Center for the Fine Arts Division. Students purchase digital print cards through the campus box office to pay for the digital printing of class assignments. Art 218 is located on the second floor of the Art building and is very accessible to students in the photography courses. Art 218 has the digital printing and a digital lab, which our students have access to during open lab hours. The lecture/survey course, The Art of Photography is taught in room Art 1, which has a teacher station, computer, digital projector and viewing screen. The faculty office of the only full-time professor in the department is located in Art 16 so it is conveniently located for students during office hours. The Photography Department does not have an assigned college gallery for exhibition purposes. Professor Darilyn Rowan has successfully obtained alternative spaces on the ECC campus for this purpose. She submits an application to the college library exhibitions committee each year in support of the annual exhibition. The student exhibition is held in the library lobby area each spring for approximately one month.

The college is planning to design and construct a new Fine Arts Division complex. The Photography Department is a significant part of the Fine Arts Division. The full time faculty, Professor Darilyn Rowan is requesting to participate in the planning of the new facility.

B) Explain the immediate (1-2 years) needs related to facilities and equipment. Provide a cost estimate for each need and explain how it will help the program better meet its goals.

The ongoing request is for a teacher station and computer located in room Art 15. The majority of classrooms on this campus have a teacher station and computer. It is needed in the photography courses for teaching faculty to bring up images, power point presentations, video clips, and, most importantly, to critique student digital photographs on a group level.

C) Explain the long-range (2-4+ years) needs related to facilities and equipment. Provide a cost estimate for each need and explain how it will help the program better meet its goals.

The ongoing request is for a teacher station and computer located in room Art 15. The majority of classrooms on this campus have a teacher station and computer to support instruction and student success. The Photography Department has been requesting a teaching station be installed in room Art 15 for the past eight years.

D) List any related recommendations.

A TEACHING STATION IN ROOM ART 15

Department participation in planning the new Fine Arts Division complex A designated lighting studio

Technology and Software

A) Describe and assess the adequacy and currency of the technology and software used by the program.

The Photography Department uses a combination of digital and analog technology in classroom instruction. The hardware and software in the computer lab were upgraded in the summer of 2015 by the college. This is adequate for student use and instruction. The Photography Department is in immediate need of a teaching station and computer in room Art 15.

B) Explain the immediate (1-2 years) needs related to technology and software. Provide a cost estimate for each need and explain how it will help the program better meet its goals.

The immediate needs related to technology and software for the Photography Department is a teaching station and computer in room Art 15. This is an ongoing request since 2009.

C) Explain the long-range (2-4+ years) needs related to technology and software. Provide a cost estimate for each need and explain how it will help the program better meet its goals.

The long-range needs related to technology and software is related to campus updates of hardware and software in the digital photography lab in room Art 9.

- D) List any related recommendations.
 - 1. A TEACHING STATION IN ROOM ART 15 FOR THE PHOTOGRAPHY DEPARTMENT.
 - 2. Scheduled upgrades of digital lab hardware and software.

SECTION 8 Staffing

A) Describe the program's current staffing, including faculty, administration, and classified staff.

The Photography Department has one full-time tenured faculty member, Professor Darilyn Rowan. The program has five adjunct faculty members who teach studio photography courses and sections of the survey course, The Art of Photography. The full-time faculty member and the adjunct faculty members are all professionally active in addition to their teaching responsibilities. There are no classified staff members dedicated to the Photography Department. The Photography Department suffered an enormous loss with the death of long-time adjunct faculty, Susan Ste. Marie in May 2016.

B) Explain and justify the program's staffing needs in the immediate (1-2 years) and long-term (2-4+ years). Provide cost estimates and explain how the position/s will help the program better meet its goals.

The Photography Department requests the assignment of a 50% lab technician to the Photography Department. At this time Professor Rowan performs all wet lab and digital lab maintenance, along with maintaining the studio lighting equipment. She is responsible for setting up the wet/analog lab and the digital lab for all photography courses. Professor Rowan also is responsible for all supply orders and equipment requests, along with all CTE grant applications. The Photography Department had a full-time lab technician until approximately 13 years ago. When the former lab technician left for a private sector opportunity, the college chose not to fill the position. The department is requesting a part-time lab technician position to assist in equipment and computer maintenance, lighting equipment, preparing the labs for each course on a weekly basis. Cost estimates: \$25,000.

C) List any related recommendations.

A 50% lab technician dedicated to the Photography Department.

A) Describe relevant changes within the academic field/industry. How will these changes impact the program in the next four years?

Joseph Niepce made the first photograph in the year 1826 at a family estate outside of Paris, France. The image, View from the Window at Le Gras, was produced on a sensitized piece of pewter, and required an exposure time of eight hours. The technology to produce photographic images has gone through seven major technological changes up until the present day. This includes making photographic images on pewter, silver-plated copper, paper negatives, wet collodion glass plates, dry plates, roll film, and digital imaging. One profound change within the academic field of Photography and industry practice has been the emerging renaissance of film/analog practice, and it's integration into hybrid digital practices. Kodak has announced that it is bringing back the iconic Ektachrome color slide film in 2017. Photographers are working with film and combining this practice with film scanning, digital prints, and wet lab/analog printing practices. A second relevant change is the increasing use of social media as a vehicle for the distribution of photographs, both commercially and for creative purposes. The impact in the next few years will include an increasing demand for wet lab/analog photographic instruction, along with its integration into digital media. The distribution of photographic images over social media will continue, and faculty members in the Photography Department will include a discussion and instruction on this practice in the various classes.

B) Explain the direction and vision of the program and how you plan to achieve it.

The direction and vision of the Photography Department is in line with the mission statement of the college. The El Camino College Photography Department is a CTE program listed by the State of California as a nontraditional career for women. The Photography Department is focused on training students in a range of photographic skills necessary for commercial and creative photography. This training will continue to focus on both form and content in all the photography courses. The students will continue to be instructed in a wide range of lighting techniques. The word "photography" translates from Greek as "light-writing" and the function of light remains an important aspect of a complete and effective education in photography. The four qualities of natural, available lighting, studio hot lights, LED lighting equipment, and evolving technology in photographic lighting will remain an important focus of the program. Learning to "see" the light. Learning the language of lighting. The role of the camera remains central to the study of photography, and students learn to operate digital cameras, view cameras, film cameras, and phone camera and related apps. The students are encouraged to view various camera formats and technology as separate tools in their toolbox of skills as commercial and creative photographers. The student will develop the ability to discern which type of camera to use for a particular commercial job and photographic images. The camera is a tool to produce the image that the photographer has been able to previsualize based on subject requirements, lighting selection, camera angles, subject distance, the decisive moment exposure, and the ability to capture the most powerful moment in

regards to design and subject content. The students can select with analog or digital materials for many class assignments, and this will continue into the future. The photography programs in the Los Angeles area that are flourishing are the programs that teach both digital and film photography. The El Camino College Photography Department continues to instruct students in a variety of non-silver, alternative photographic processes to give students additional tools to produce creative and commercial photographs. Along with solid technical training, students will continue to receive a broad education in the arts and sciences. This is fulfilled through the college general education requirements and elective pattern choices for the A.S. degree in Photography. The elective pattern choices for the Photography degree include a wide range of courses from Journalism, Physics, Art and Design, Business, and the Film/Video departments. These choices are intended to give the student the opportunity to focus their studies in the professional direction of their specific interests, but also to give a more complete education on the role of photography in contemporary civilization. The future direction of the program includes the addition of courses in Art History, Drawing, Painting, Geography, Technology and Business to the degree elective choices. This is intended to better utilize the existing resources on campus and is inspired by the Visual Studies Department at Harvard University and the Interactive Telecommunications Department at New York University. The El Camino College Photography Department has added the survey course, The Art of Photography, Art/Photo 150 to the A.S. degree Photography course requirements. The course covers the history of photography from 1826 to the present day, and the role of photography in the history of art and contemporary civilization. Art/Photography 150 is a general education course at El Camino College and it has become a very popular course. Several sections of the course are offered each semester, winter session, and summer session. Various delivery methods for photographic images will continue to be explored. Students produce images on digital and analog paper, in digital and hardcopy books, on Vimeo and Youtube, websites, etc. There will be a continuing focus on maintaining artist's rights to their photographic images uploaded to online media and in hard copy form. The future vision of the Photography Department will include a successful integration of photographic studies into various learning communities across campus. The Photography Department Advisory Board is well integrated into the program and is very supportive of faculty and students. Professor Darilyn Rowan hopes that the sacrifices and price she had to pay as the first full-time woman faculty member in Photography at El Camino College will make a small difference for women in the field, and at the college, in the future.

C) List any related recommendations.

Additional sections of Photography 150 on campus and at area high schools ECC CTE Advisory board member presentations, guest lectures and master classes

Prioritized Recommendations

A) Provide a single, prioritized list of recommendations and needs for your program/ department (drawn from your recommendations in sections 2-8). Include cost estimates and list the college strategic initiative that supports each recommendation. Use the following chart format to organize your recommendations.

	Recommendations	Cost Estimate	Strategic Initiatives
1.	A teaching station and computer in room Art 15	\$10,000	1, 6
2.	Additional sections of Photography 150	\$5,000	1, 2, 6
3.	ECC CTE Advisory board member lectures and master	\$1,000	1, 2, 3, 4
	classes		
4.	Scheduled upgrades of digital lab hardware and software	N/A	1, 2, 4, 6
5.	A 50% lab technician dedicated to the Photography	\$25,000	1, 2, 6,
	Department		
6.	Photography Department participation in planning the new	N/A	1, 2, 3, 4, 5, 6
	Fine Arts complex		
7.	A designated lighting studio		1, 2, 3, 4, 5, 6,
8.	A computer lab with 20 Mac computers for student use	N/A	1, 6
9.			
10.			

B) Explain why the list is prioritized in this way.

The list of recommendations for the Photography Department was prioritized in the order of significance to actual classroom instruction and student learning and the results of the SLO assessment process. The teaching station and computer in room Art 15 remain the same high priority recommendation that it has since 2009. The increase in enrollment as a result of additional sections of Photography 150 benefits both the Photography Department and the college enrollment numbers. Upgrades to computer hardware and software are standard on campus. The request for a 50% technician is ongoing, but unlikely so it remains on the list, but in the middle of ranking. Recommendations 6 through 8 are stated as both department needs and recommendations for any future Fine Arts Division facilities complex.

Appendix A

ALIGNMENT GRIDS

	Institutio	onal (ILC	FINE AI		Course (SLO) Alignment	t				
Program: Phot	ography		Number of Cour 12	ses:	Date Updated: 09.18.2014	Sul K. Whi	bmitte tney, e	•	356	
ILOs ILOs 1. Critical Thinking Students apply critical, creative and analytical skills to identify and solve problems, analyze information, synthesize and evaluate ideas, and transform existing ideas into new forms. 2. Communication Students effectively communicate with and respond to varied audiences in written, spoken or signed, and artistic forms. 3. Community and Personal Development Students are productive and engaged members of society, demonstrating personal responsibility, and community and social written, spoken or signed, and artistic forms. Students are productive and engaged members of society, demonstrating personal responsibility, and community and Students determine various media and fy strategy and locate, information to occur information i							an infor formats t evaluat complish an und	mation r o develo e, docum a specif erstandii	need and op a rese nent, and ic purpo: ng of the	arch d use se. e legal,
SLO-PLO-ILO ALIGNME	ENT NOTES:					-				
Mark boxes with an 'X'	if: SLO/PLO is a major focus or an impo possibly in various ways) throughout					vided; students are e	valuate	d multij	ole time	es (an
DO NOT mark with an	'X' if: SLO/PLO is a minor focus of the comminimally or not at all part of the	ourse/progra	am and some instruction is			ly evaluated on the co	oncepts	or if th	ne SLO/I	PLO is
									to ILO ment	
PLOs								(Mark w	vith an X	,
							1	2	3	4
Upon successful of Photography Dep	s of Form, Medium, and Content completion of coursework to con partment should be able to appro t represent fully developed conce	priately v	isualize and produce	entry lev				x		
PLO #2 Lighting Designs Upon successful completion of coursework to complete an A.S. degree, a program certificate, or to transfer, students in the Photography Department should be able to appropriately visualize and accurately construct lighting designs utilizing artificial studio lighting and natural, available light in film and digital photographs.									х	
PLO #3 Discussing and Critiquing Images Upon successful completion of coursework to complete an A.S. degree, a program certificate, or to transfer, students in the Photography Department should be able to critique and discuss film and digital photographic images that represent fully-developed concepts of form, medium and content.										

SLOs	Al	O to P	ent	COURSE to ILO Alignment (Mark with an X)			
	P1	P2	Р3	1	2	3	4
PHOT 101 Elementary Photography: SLO #1 Proper Film Exposure Students will be able to apply proper film exposure through the correct aperture and shutter settings on the camera and correct film processing to produce a silver gelatin negative with adequate shadow and highlight detail.	X						
PHOT 101 Elementary Photography: SLO #2 Shallow and Depth of Field Students will be able to visualize and produce film and digital photographs illustrating shallow and deep depth of field.	X				х		
PHOT 101 Elementary Photography: SLO #3 Qualities of Available and Natural Light Students will be able to visualize and produce film and digital photographs utilizing Direct, Diffused, Silhouette, and Direct-Diffused qualities of natural, available light.		X					
PHOT 102 Basic Photography: SLO #1 Proper Film Exposure Students will be able to apply proper film exposure through the correct aperture and shutter settings on the camera and correct film processing to produce a silver gelatin negative with adequate shadow and highlight detail.	X						
PHOT 102 Basic Photography: SLO #2 Proper Placement of Studio Lights Students will be able to demonstrate proper placement of studio lights to produce a high-key glassware product photographic image.		X			x		
PHOT 102 Basic Photography: SLO #3 Photographic Illustration Techniques Students will be able to visualize and produce film and photographic images using concepts and techniques of photographic illustration.	X						
PHOT 106 IS THE SAME COURSE AS JOUR 6. JOUR 6 Basic Photojournalism: SLO #1							
Upon completion of the course, students will create a photo story essay using a wide-angle lens that captures the first of three basic types of photojournalism images, as defined by the Associated Press (AP): the overall shot, which captures the scope of the scene.							
JOUR 6 Basic Photojournalism: SLO #2 Upon completion of the course, students will create a photo story essay using a standard lens ranging from 28mm to 300mm to capture the second of three basic types of photojournalism images, as defined by the AP: the medium-long shot, which comprises about 90 percent of all photos taken.				x	x		
JOUR 6 Basic Photojournalism: SLO #3 Upon completion of the course, students will create a photo story essay using a standard (to isolate) or macro (to magnify) lens to capture the third of three basic types of photojournalism images, as defined by the AP: the close-up photo, a detailed image of a small but important item.							

SLOs	A	O to P lignme	ent	COURSE to ILO Alignment (Mark with an X)			
	P1	P2	Р3	1	2	3	4
PHOT 150 IS THE SAME COURSE AS ART 150. PHOT 150 The Art of Photography: SLO #1 Critique and Discuss The student will be able to critique and discuss the production and role of commercial, fine art, photojournalism, documentary and portrait photography in contemporary civilization.			x				
PHOT 150 The Art of Photography: SLO #2 Apply Concepts The student will be able to apply design concepts to the compositional structure of photographic images.	Х			X			
PHOT 150 The Art of Photography: SLO #3 Demonstrate Knowledge The student will be able to demonstrate knowledge of how the aperture and shutter functions on a camera control depth of field and the depiction of motion in a photographic image.	х						
PHOT 202 Intermediate Photography: SLO #1 Form, Content, and Photographic Technology Students will be able to visualize and produce a series of film or digital photographs on a unified theme using intermediate level concepts of form and content and photographic technology.	х						
PHOT 202 Intermediate Photography: SLO #2 Lighting for Commercial Film or Digital Images Students will be able to select and construct an intermediate lighting design utilizing studio lighting for a commercial film or digital photographic image.		X		х	X		
PHOT 202 Intermediate Photography: SLO #3 4" by 5" View Camera Students will be able to produce intermediate level black and white photographs utilizing the 4" by 5" view camera.	x						
PHOT 203 Advanced Photography: SLO #1 Portfolio Quality Photographs Students will be able to visualize and produce portfolio quality film and digital photographs utilizing advanced lighting and commercial photographic techniques.	X						
PHOT 203 Advanced Photography: SLO #2 Design Elements and Technical Processes Students will be able to analyze and critique film and digital photographic images in regards to design elements and technical processes.			X	x	x		
PHOT 203 Advanced Photography: SLO #3 Entry-Level Portfolio Students will be able to design and produce an entry-level professional quality portfolio consisting of black and white photographic prints and digital color images.	X						
PHOT 204 Portraiture: SLO #1 Lighting for Formal Portraits Students will be able to execute proper placement of photo flood and spotlight studio lighting to produce formal portraits in Rembrandt, Narrow, Broad, and Glamour lighting.		X					
PHOT 204 Portraiture: SLO #2 Portraits in High and Low Key Lighting Students will be able to execute proper placement of photo flood and spotlight studio lighting to produce formal portraits in High Key and Low Key lighting.		X		x	x		
PHOT 204 Portraiture: SLO #3 Photographic Character Studies Students will be able to visualize and produce a series of film and digital photographic character studies.	X						

SLOs	Al	O to P	ent	COURSE to ILO Alignment (Mark with an X)			
	P1	P2	Р3	1	2	3	4
PHOT 206ab IS THE SAME COURSE AS JOUR 7ab. JOUR 7AB Advanced Photojournalism: SLO #1 Upon completion of the course, students will apply the first of three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is cropping the photo using Photoshop, to add creativity to the page, and bring impact to the photo's meaning.							
JOUR 7AB Advanced Photojournalism: SLO #2 Upon completion of the course, students will apply the second of three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is to adjust the image for contrast using Photoshop, which gives the photo dimension.				x	х		
JOUR 7AB Advanced Photojournalism: SLO #3 Upon completion of the course, students will apply the third of three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is to adjust the image for sharpness using Photoshop, which brings clarity to images.							
PHOT 223A Theory of Color/Color Printing: SLO #1 Film or Color Photographic Images Students will be able to visualize and produce film or digital color photographic images that are printed with the correct color cast, exposure and filtration or color balance, hue and saturation.	x						
PHOT 223A Theory of Color/Color Printing: SLO #2 Historical and Contemporary Processes and Techniques Students will be able to visualize and produce film or digital color photographic images that utilize historical and contemporary color photographic processes and techniques.	X			х	х		
PHOT 223A Theory of Color/Color Printing: SLO #3 Psychology of Color Students will be able to discuss and utilize principles of the psychology of color in film and digital color photographic images.			x				
PHOT 223B Intermediate Color Photography/Color Printing: SLO #1 Critiquing Design Elements and Technical Aspects Students will be able to analyze and critique the design elements and technical aspects of advanced level commercial color film and digital photographic images.			x				
PHOT 223B Intermediate Color Photography/Color Printing: SLO #2 Advanced Color Lighting Design Students will be able to select and construct an advanced color lighting design for a film or digital commercial photographic image.		х		х	х		
PHOT 223B Intermediate Color Photography/Color Printing: SLO #3 Advanced Level Film of Photographic Images Students will be able to visualize and produce advanced level film or digital photographic images that are printed with the correct color cast, exposure and filtration or color balance, hue and saturation.	X						

SLOs		SLO to PLO Alignment (Mark with an X)			COURSE to ILO Alignment			
					(Mark w	ith an X))	
	P1	P2	Р3	1	2	3	4	
PHOT 254 Intermediate 35MM: SLO #1 Subject Matter and Exposure Students will be able to select appropriate subject matter and exposure for black and white Infrared film, or Infrared digital settings, through the correct aperture and shutter speed selection on the film or digital camera, and the proper processing and printing of the images.	х							
PHOT 254 Intermediate 35MM: SLO #2 Differing Contexts Students will be able to visualize and produce one film or digital image in three differing contexts.			Х	X	Х			
PHOT 254 Intermediate 35MM: SLO #3 Correlation with a Selection of Poetry Students will be able to visualize and produce a series of film or digital photographic images that correlate with a selection of poetry.			х					
PHOT 257 Creative Photographic Processes: SLO #1 Photographic Books Students will be able to visualize and produce a hard copy photographic book on a unified theme using photographic techniques of film or digital photography.	x							
PHOT 257 Creative Photographic Processes: SLO #2 Non-Traditional Surfaces Students will be able to visualize and produce properly exposed photographic images on non-traditional surfaces utilizing non-silver photographic emulsions.	х			x	х			
PHOT 257 Creative Photographic Processes: SLO #3 Print Solarization Students will be able to visualize and produce black and white film or digital photographic images utilizing techniques of print solarization.								

Appendix B

SLO/PLO TIMELINES

	со		SMENT 4-YEAR TIME E ARTS DIVISION - PHOTOGRAPE	ELINE REPORT (ECC)
Course SLO Assessment Cycle	Course ID	Course Name	Course SLO Title	Course SLO Statement
2013-14 (Spring 2014)	ECC: PHOT 11AB	Advanced Photojournalism	SLO #1 First Alterations	Upon completion of the course, students will apply the first of three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is cropping the photo using Photoshop, to add creativity to the page, and bring impact to the photo's meaning. (Assessment tool for all three SLOs in J7: photo editing assignment.)
2013-14 (Spring 2014)	ECC: PHOT 11AB	Advanced Photojournalism	SLO #2 Second Alterations	Upon completion of the course, students will apply the second of three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is to adjust the image for contrast using Photoshop, which gives the photo dimension.
2013-14 (Spring 2014)	ECC: PHOT 11AB	Advanced Photojournalism	SLO #3 Third Alterations	Upon completion of the course, students will apply the third of three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is to adjust the image for sharpness using Photoshop, which brings clarify to images.
2013-14 (Spring 2014)	ECC: PHOT 4	Portraiture	SLO #1 Lighting for Formal Portraits	Students will be able to execute proper placement of photo flood and spotlight studio lighting to produce formal portraits in Rembrandt, Narrow, Broad, and Glamour lighting.
2013-14 (Summer 2014)	ECC: PHOT 150	The Art of Photography	SLO #1 Art in Contemporary Civilization	The student will be able to critique and discuss the production and role of commercial, fine art, photojournalism, documentary and portrait photography in contemporary civilization.
2013-14 (Summer 2014)	ECC: PHOT 57	Creative Photo Processes	SLO #1 Photographic Books	Students will be able to visualize and produce a hard copy photographic book on a unified theme using photographic techniques of film or digital photography.
2014-15 (Fall 2014)	ECC: PHOT 1	Basic Photography	SLO #1 Proper Film Exposure	Students will be able to apply proper film exposure through the correct aperture and shutter settings on the camera and correct film processing to produce a silver gelatin negative with adequate shadow and highlight detail.
2014-15 (Fall 2014)	ECC: PHOT 10	Basic Photojournalism	SLO #1 Photo Story Essay–Wide Angle Lens	Upon completion of the course, students will create a photo story essay using a wide-angle lens that captures the first of three basic types of photojournalism images, as defined by the Associated Press (AP): the overall shot, which captures the scope of the scene.
2014-15 (Fall 2014)	ECC: PHOT 10	Basic Photojournalism	SLO #2 Photo Story Essay – Standard Lens	Upon completion of the course, students will create a photo story essay using a standard lens ranging from 28mm to 300mm to capture the second of three basic types of photojournalism images, as defined by the AP: the medium-long shot, which comprises about 90 percent of all photos taken.
2014-15 (Fall 2014)	ECC: PHOT 10	Basic Photojournalism	SLO #3 Photo Story Essay – Standard or Macro Lens	Upon completion of the course, students will create a photo story essay using a standard (to isolate) or macro (to magnify) lens to capture the third of three basic types of photojournalism images, as defined by the AP: the close-up
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Course SLO Assessment	Course ID	Course Name	Course SLO Title	Course SLO Statement
Cycle				
2014-15 (Fall 2014)	ECC: PHOT 2	Intermediate Photography	SLO #1 Form, Content, and Photographic Technology	Students will be able to visualize and produce a series of film or digital photographs on a unified theme using intermediate level concepts of form and content and photographic technology.
2014-15 (Fall 2014)	ECC: PHOT 23A	Theory Color/Color Print	SLO #1 Film or Color Photographic Images	Students will be able to visualize and produce film or digital color photographic images that are printed with the correct color cast, exposure and filtration or color balance, hue and saturation.
2014-15 (Fall 2014)	ECC: PHOT 23B	Inter Color Photo/Print	SLO #1 Critiquing Design Elements and Technical Aspects	Students will be able to analyze and critique the design elements and technical aspects of advanced level commercial color film and digital photographic images.
2014-15 (Fall 2014)	ECC: PHOT 3	Advanced Photography	SLO #1 Portfolio Quality Photographs	Students will be able to visualize and produce portfolio quality film and digital photographs utilizing advanced lighting and commercial photographic techniques.
2014-15 (Fall 2014)	ECC: PHOT 51	Elementary Photography	SLO #1 Proper Film Exposure	Students will be able to apply proper film exposure through the correct aperture and shutter settings on the camera and correct film processing to produce a silver gelatin negative with adequate shadow and highlight detail.
2014-15 (Fall 2014)	ECC: PHOT 54	Intermediate 35MM	SLO #1 Subject Matter and Exposure	Students will be able to select appropriate subject matter and exposure for black and white Infrared film, or Infrared digital settings, through the correct aperture and shutter speed selection on the film or digital camera, and the proper processing and printing of the images.
2014-15 (Spring 2015)	ECC: PHOT 1	Basic Photography	SLO #2 Proper Placement of Studio Lights	Students will be able to demonstrate proper placement of studio lights to produce a high-key glassware product photographic image.
2014-15 (Spring 2015)	ECC: PHOT 11AB	Advanced Photojournalism	SLO #1 First Alterations	Upon completion of the course, students will apply the first of three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is cropping the photo using Photoshop, to add creativity to the page, and bring impact to the photo's meaning. (Assessment tool for all three SLOs in J7: photo editing assignment.)
2014-15 (Spring 2015)	ECC: PHOT 11AB	Advanced Photojournalism	SLO #2 Second Alterations	Upon completion of the course, students will apply the second of three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is to adjust the image for contrast using Photoshop, which gives the photo dimension.
2014-15 (Spring 2015)	ECC: PHOT 11AB	Advanced Photojournalism	SLO #3 Third Alterations	Upon completion of the course, students will apply the third of three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is to adjust the image for sharpness using Photoshop, which brings clarify to images.
2014-15 (Spring 2015)	ECC: PHOT 2	Intermediate Photography	SLO #2 Lighting for Commercial Film or Digital Images	Students will be able to select and construct an intermediate lighting design utilizing studio lighting for a commercial film or digital photographic image.
2014-15 (Spring 2015)	ECC: PHOT 23A	Theory Color/Color Print	SLO #2 Historical and Contemporary Processes and Techniques	Students will be able to visualize and produce film or digital color photographic images that utilize historical and contemporary color photographic processes and techniques.
2014-15 (Spring 06/24/2014 3:02 PM	ECC: PHOT 23B VI	Inter Color Photo/Print	SLO #2 Advanced Color Page 2 of 5	Students will be able to select and construct an advanced color

Course SLO Assessment Cycle	Course ID	Course Name	Course SLO Title	Course SLO Statement
2015)			Lighting Design	lighting design for a film or digital commercial photographic image.
2014-15 (Spring 2015)	ECC: PHOT 3	Advanced Photography	SLO #2 Design Elements and Technical Processes	Students will be able to analyze and critique film and digital photographic images in regards to design elements and technical processes.
2014-15 (Spring 2015)	ECC: PHOT 4	Portraiture	SLO #2 Portraits in High and Low Key Lighting	Students will be able to execute proper placement of photo flood and spotlight studio lighting to produce formal portraits in High Key and Low Key lighting.
2014-15 (Spring 2015)	ECC: PHOT 4	Portraiture	SLO #3 Photographic Character Studies	Students will be able to visualize and produce a series of film and digital photographic character studies.
2014-15 (Spring 2015)	ECC: PHOT 51	Elementary Photography	SLO #2 Shallow and Depth of Field	Students will be able to visualize and produce film and digital photographs illustrating shallow and deep depth of field.
2014-15 (Spring 2015)	ECC: PHOT 54	Intermediate 35MM	SLO #2 Differing Contexts	Students will be able to visualize and produce one film or digital image in three differing contexts.
2014-15 (Summer 2015)	ECC: PHOT 150	The Art of Photography	SLO #2 Design Concepts	The student will be able to apply design concepts to the compositional structure of photographic images.
2014-15 (Summer 2015)	ECC: PHOT 150	The Art of Photography	SLO #3 Functions of Aperture and Shutter	The student will be able to demonstrate knowledge of how the aperture and shutter functions on a camera control depth of field and the depiction of motion in a photographic image.
2014-15 (Summer 2015)	ECC: PHOT 57	Creative Photo Processes	SLO #2 Non-Traditional Surfaces	Students will be able to visualize and produce properly exposed photographic images on non-traditional surfaces utilizing non-silver photographic emulsions.
2014-15 (Summer 2015)	ECC: PHOT 57	Creative Photo Processes	SLO #3 Print Solarization	Students will be able to visualize and produce black and white film or digital photographic images utilizing techniques of print solarization.
2015-16 (Fall 2015)	ECC: PHOT 1	Basic Photography	SLO #3 Photographic Illustration Techniques	Students will be able to visualize and produce film and photographic images using concepts and techniques of photographic illustration.
2015-16 (Fall 2015)	ECC: PHOT 10	Basic Photojournalism	SLO #1 Photo Story Essay–Wide Angle Lens	Upon completion of the course, students will create a photo story essay using a wide-angle lens that captures the first of three basic types of photojournalism images, as defined by the Associated Press (AP): the overall shot, which captures the scope of the scene.
2015-16 (Fall 2015)	ECC: PHOT 10	Basic Photojournalism	SLO #2 Photo Story Essay – Standard Lens	Upon completion of the course, students will create a photo story essay using a standard lens ranging from 28mm to 300mm to capture the second of three basic types of photojournalism images, as defined by the AP: the medium-long shot, which comprises about 90 percent of all photos taken.
2015-16 (Fall 2015)	ECC: PHOT 10	Basic Photojournalism	SLO #3 Photo Story Essay – Standard or Macro Lens	Upon completion of the course, students will create a photo story essay using a standard (to isolate) or macro (to magnify) lens to capture the third of three basic types of photojournalism images, as defined by the AP: the close-up
2015-16 (Fall 2015)	ECC: PHOT 2	Intermediate Photography	SLO #3 4" by 5" View Camera	Students will be able to produce intermediate level black and white photographs utilizing the 4" by 5" view camera.
2015-16 (Fall 2015)	ECC: PHOT 23A	Theory Color/Color Print	SLO #3 Psychology of Color	Students will be able to discuss and utilize principles of the psychology of color in film and digital color photographic images.
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Course SLO Assessment Cycle	Course ID	Course Name	Course SLO Title	Course SLO Statement
2015-16 (Fall 2015)	ECC: PHOT 23B	Inter Color Photo/Print	SLO #3 Advanced Level Film of Photographic Images	Students will be able to visualize and produce advanced level film or digital photographic images that are printed with the correct color cast, exposure and filtration or color balance, hue and saturation.
2015-16 (Fall 2015)	ECC: PHOT 3	Advanced Photography	SLO #3 Entry-Level Portfolio	Students will be able to design and produce an entry-level professional quality portfolio consisting of black and white photographic prints and digital color images.
2015-16 (Fall 2015)	ECC: PHOT 51	Elementary Photography	SLO #3 Qualities of Available and Natural Light	Students will be able to visualize and produce film and digital photographs utilizing Direct, Diffused, Silhouette, and Direct-Diffused qualities of natural, available light.
2015-16 (Fall 2015)	ECC: PHOT 54	Intermediate 35MM	SLO #3 Correlation with a Selection of Poetry	Students will be able to visualize and produce a series of film or digital photographic images that correlate with a selection of poetry.
2015-16 (Spring 2016)	ECC: PHOT 11AB	Advanced Photojournalism	SLO #1 First Alterations	Upon completion of the course, students will apply the first of three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is cropping the photo using Photoshop, to add creativity to the page, and bring impact to the photo's meaning. (Assessment tool for all three SLOs in J7: photo editing assignment.)
2015-16 (Spring 2016)	ECC: PHOT 11AB	Advanced Photojournalism	SLO #2 Second Alterations	Upon completion of the course, students will apply the second of three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is to adjust the image for contrast using Photoshop, which gives the photo dimension.
2015-16 (Spring 2016)	ECC: PHOT 11AB	Advanced Photojournalism	SLO #3 Third Alterations	Upon completion of the course, students will apply the third of three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is to adjust the image for sharpness using Photoshop, which brings clarity to images.
2016-17 (Fall 2016)	ECC: PHOT 10	Basic Photojournalism	SLO #1 Photo Story Essay–Wide Angle Lens	Upon completion of the course, students will create a photo story essay using a wide-angle lens that captures the first of three basic types of photojournalism images, as defined by the Associated Press (AP): the overall shot, which captures the scope of the scene.
2016-17 (Fall 2016)	ECC: PHOT 10	Basic Photojournalism	SLO #2 Photo Story Essay – Standard Lens	Upon completion of the course, students will create a photo story essay using a standard lens ranging from 28mm to 300mm to capture the second of three basic types of photojournalism images, as defined by the AP: the medium-long shot, which comprises about 90 percent of all photos taken.
2016-17 (Fall 2016)	ECC: PHOT 10	Basic Photojournalism	SLO #3 Photo Story Essay – Standard or Macro Lens	Upon completion of the course, students will create a photo story essay using a standard (to isolate) or macro (to magnify) lens to capture the third of three basic types of photojournalism images, as defined by the AP: the close-up
2016-17 (Spring 2017)	ECC: PHOT 11AB	Advanced Photojournalism	SLO #1 First Alterations	Upon completion of the course, students will apply the first of three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is cropping the photo using Photoshop, to add creativity to the page, and bring impact to the photo's meaning. (Assessment tool for all three SLOs in J7: photo editing assignment.)
2016-17 (Spring	ECC: PHOT 11AB	Advanced Photojournalism	SLO #2 Second Alterations	Upon completion of the course, students will apply the second of
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Course SLO Assessment Cycle	Course ID	Course Name	Course SLO Title	Course SLO Statement
2017)				three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is to adjust the image for contrast using Photoshop, which gives the photo dimension.
2016-17 (Spring 2017)	ECC: PHOT 11AB	Advanced Photojournalism	SLO #3 Third Alterations	Upon completion of the course, students will apply the third of three acceptable alterations to a photograph, as defined by the Associated Press (AP), which is to adjust the image for sharpness using Photoshop, which brings clarity to images.
2017-18 (Fall 2017)	ECC: PHOT 10	Basic Photojournalism	SLO #1 Photo Story Essay–Wide Angle Lens	Upon completion of the course, students will create a photo story essay using a wide-angle lens that captures the first of three basic types of photojournalism images, as defined by the Associated Press (AP): the overall shot, which captures the scope of the scene.
2017-18 (Fall 2017)	ECC: PHOT 10	Basic Photojournalism	SLO #2 Photo Story Essay – Standard Lens	Upon completion of the course, students will create a photo story essay using a standard lens ranging from 28mm to 300mm to capture the second of three basic types of photojournalism images, as defined by the AP: the medium-long shot, which comprises about 90 percent of all photos taken.
2017-18 (Fall 2017)	ECC: PHOT 10	Basic Photojournalism	SLO #3 Photo Story Essay – Standard or Macro Lens	Upon completion of the course, students will create a photo story essay using a standard (to isolate) or macro (to magnify) lens to capture the third of three basic types of photojournalism images, as defined by the AP: the close-up

Appendix C

6-YEAR CURRICULUM COURSE REVIEW TIMELINE

4	Α	В	K	L	M	N	0	Р	Q	R	S	T	U	V	W	
1	COURSE	CTE	2010-201	2011-201	2012-201	2013-201	2014-2019	2015-2016	2016-2017	2017-2018	2018-2019	2019-202	2020-202	2021-2022		
	PHOT 50	Υ				IA										
2	(Special Topics)	Y														
	PHOT 99	Υ														
3	(formerly 99abc)						X	CCC Chair								
4	PHOT 101	Y														
	(formerly 51)						2 YR		2 YR		2 YR		2 YR			
_	PHOT 102	Υ														
5	(formerly 1)						2 YR		2 YR		2 YR		2 YR			-
_	PHOT 106	Υ		x			X									
	(formerly 10) PHOT 150				х				2 YR		2 YR 6 YR		2 YR			-
7	PHOI 150	N			X	,,,,,,,,,,,,,					6 YK			uuuuuu.		-
	PHOT 151	N			IA											
8	(formerly 151ab)	IN			- 'n //											
•	PHOT 202															
9	(formerly 2)	Υ				X		2 YR		2 YR		2 YR		2 YR		
_	PHOT 203															
10	(formerly 3)	Υ				Х		2 YR		2 YR		2 YR		2 YR		
	PHOT 204	Υ														
11	(formerly 4)	Y					2 YR		2 YR		2 YR		2 YR			
	PHOT 206ab	γ		x												
12	(formerly 11ab)	'		^			X		2 YR		2 YR		2 YR			
	PHOT 223A	Υ				x										
13	(formerly 23A)					^		2 YR		2 YR		2 YR		2 YR		
14	PHOT 223B	Υ				x										
	(formerly 23B)							2 YR		2 YR		2 YR		2 YR		
	PHOT 254	Υ		X												
15	(formerly 54)						2 YR		2 YR		2 YR					-
40	PHOT 257	Υ				х										
16 17	(formerly 57)							2 YR		2 YR		2 YR		2 YR		-