

Revised Instructions for The Practical Examination Portfolio January, 2000

The Practical Examination Portfolio has been the primary element of the RBP examination procedure since its inception. In an effort to clarify grading criteria, maintain standards and allow for the use of emerging technologies, there has been a major revision of the assignment sheets and the grading system. The most important thing to realize is that these changes (with minor exceptions) do not negatively affect any past requirements for the specific assignments. What this system does is to clarify the issues of primary concern for each assignment to aide the candidate in preparing their submissions. The Portfolio Graders will be using the same sheets in their examination procedures. These revisions now clearly state what is required to be submitted, as well as the purpose of the assignment, so there will be no questions of interpretation. The revisions also expand the possible technological approaches for completing assignments, if the purpose allows for it.

The examination process has been changed from a numerical grading system to a pass/fail system. In defining the specific purpose for each assignment, the main points to grade have also been clearly defined. For example, if the purpose statement includes a comment that proper use of filtration is a main element of the assignment, then filtration will be a pass/fail issue. If choice of film is not mentioned, then it has been decided that it is not important to the main point of the assignment and will not be considered a pass/fail issue.

The primary considerations for grading have also been shifted to concentrate on the final product, rather than the process used to achieve it. The graders are asked to consider themselves as clients. The individual assignments are viewed as job requests. In most cases, if the final result meets the expectations outlined in the purpose statement, the assignment will pass. With the pass/fail system, however, it is now very important that certain basic elements like print quality are done well. Poor print quality can fail an assignment.

Think of it this way: you take a slide to a custom lab to have an internegative and print made. When you pick up your order, the print is too dark and has a green color shift. This would not be acceptable. As a customer, you would ask them to re-make the print. It is not important to you if the reason for the poor print was because of a bad internegative or a bad printer, you just want an acceptable print.

In this same way, the technique used to complete the portfolio assignments is not necessarily graded, while the final result is carefully scrutinized. This is not to say that technique is unimportant. On the contrary, the reasons for poor final products can often be traced to the techniques or materials used. The point of this system, however, is to allow the candidate to accomplish the tasks however they wish, without penalty, as long as it results in an acceptable final result. So, while the specific requirements of the assignments may have become less stringent, the grading of the final result has become slightly more so.

Many of the assignments, however, do still require certain standard approaches. If this is the case, it is spelled out in the assignment description and purpose, and the factors used for grading clearly reflect that a technique is to be graded. In some cases, like assignment R2, two photomicrographs, technique is extremely important. However, what is graded is the outward manifestations of the techniques. When making photomicrographs, even illumination of the specimen is not possible without proper optical alignment. What is graded, though, is the illumination result, not the alignment procedure.

Using the New Grading Sheets

There is a lot of useful information in the new grading sheets. Each assignment clearly states what is required for submission, as well as what is expected of the final results. If the purpose statement tells you that some of the main points of the assignment are lighting issues and subject positioning, then it is highly recommended that you concentrate on those elements. **It is strongly suggested that the candidate review the grader's criteria for each assignment to appreciate which aspects are critical to passing the specific project. Close attention to these pass/fail elements will help guide the candidate and help catch problems before the assignments are submitted.**

The Practical Examination portfolio is graded on a pass/fail system by 4 qualified examiners. For an individual assignment to pass, 3 of the 4 graders must give it a passing mark. If 2 or more examiners fail the assignment, the assignment will fail and need to be resubmitted. For the candidate to pass the Practical Examination, they must have no more than one failing assignment in each of the two sections: Required Assignments and Elective Assignments.

Practical Examination assignments are evaluated in 4 parts: A) Critical Grading Factors, B) Most Important Grading Factors, C) Qualifying scales and D) Comments. In part **A) Critical Grading Factors**, the Practical Examination Coordinator (PRAXCO) will objectively check if all required parts of the assignments are submitted. All objective elements will be listed in this section. If any part of this section fails, it will be returned to the candidate without further grading for resubmission.

In part **B) Most Important Grading Factors**, examiners will evaluate those aspects of the assignment identified by the Board of Registry as the most important elements in demonstrating practical knowledge of that specific assignment. Assignments are evaluated by the final result, not necessarily the process by which the image was captured, although poor technique could explain an unacceptable result. Graders will examine each of these most important factors individually and pass or fail each element. "Pass" is defined by the individual grader's expectations of an acceptable product, i.e. would they give this finished assignment to their best client? If all parts in this section pass, the individual grader passes the assignment. If any part fails, the individual grader fails the assignment.

Please note that some grading elements are common to most of the assignments. It will generally be expected that the candidate will supply images that are focused properly and sharp, and exhibit appropriate contrast and density for the subject being represented. Poor print quality will be sufficient to fail an assignment.

In part **C) Qualifying Scales**, the examiner will provide the passing assignment with a general impression of each part on a sliding scale from (fair) to (superior). This feedback will give further direction to the candidate, expanding on the overall quality level of the assignment.

In part **D) Comments**, the examiner will provide written comments on any aspect of the assignment they feel is worth mentioning. These comments may be positive or negative, but are intended to provide the candidate with practical guidance for future endeavors.

Submitting Assignments Made with Digital Technology

Use of digital equipment is now encouraged where appropriate in the practical exam. The purpose of some of the assignments does preclude the use of digital techniques, but unless specifically stated otherwise, all assignments may be done in the medium of your choice, which includes digital. Keep in mind, however, that the final product will be as carefully scrutinized as a conventional image. If you try to make an image with a device that does not provide adequate resolution, the assignment could potentially be failed because of lack of sharpness. Just because an assignment **can** be done digitally, doesn't mean it **should** be, especially if it could have been done better with equipment already demonstrated elsewhere in the portfolio.

With print submissions, where a film original exists (i.e. a negative or transparency) that original must be submitted with the assignment. Where images are captured digitally, a TIFF version of the original file should be submitted. Regardless of the original, the final file must also be submitted for review. The final version should be saved unflattened. For consideration of multiple graders, the images should be prepared with Photoshop. If a different program is used, the final image should be saved as a full resolution TIFF file. Maintaining layers would not then be possible and an explanation of what was done with the program must then accompany the submission.

All digital files must be submitted on a CD. If the candidate has difficulty in creating CDs, PRAXCO can help make arrangements for these to be made.

For all submissions which use digital equipment at any step in the process, a **digital data sheet** must also be filled out and submitted with the assignment. These sheets provide the necessary information to review how the assignment was accomplished.

File Formats

Remember that several people will be reviewing your work and they will all need to see your files. Common sense dictates that the most common programs and file formats should be used to avoid problems in review.

Original image files should be saved as TIFF files, as this format is easily read across computer platforms. Likewise, graphic files should be saved as PICT files or BMP (bitmapped). You can generally be assured that a file created in Photoshop will be readily accessed, so submissions that ask for unflattened files should be saved as native Photoshop files.

For presentation files, such as requested in R18, PowerPoint is the most common program and is recommended for use. However, newer versions of the program are not translatable by earlier versions, so the files should be saved in an earlier version to avoid problems for the graders. PowerPoint files with embedded graphics files should be submitted with those original files as well.

General Submission Guidelines

At any time after successful completion of the first phase of the Examination Program, the Written Examination, the Practical Examination portfolio may be submitted for grading. You, of course, may be working on the various assignments of the Practical Examination while studying for the Written Examination.

The purpose of the Practical Examination phase of the Certification Program is to allow the candidate to demonstrate his or her ability to perform a wide variety of biophotographic assignments in a professional manner. These assignments should be approached and completed with the same level of attention that you would give to a request from a client or a specification from your supervisor.

The Practical Examination consists of **18 required assignments** developed to assure demonstration of core techniques and practical knowledge required by biophotographers. In addition you will select **12 elective assignments** from an extensive listing of possibilities. The elective assignments will enable you to demonstrate any particular areas of specialized expertise or experience that you may have developed.

The thirty assignment portfolio will be graded throughout for your ability to follow instructions, perform each and every assignment in a competent manner and to present the assignments professionally. 17 of the 18 required assignments, and 11 of the 12 elective assignments must be passed to satisfactorily complete the Practical Examination phase.

What follows is a set of instructions that must be followed in preparing and submitting your Practical Examination portfolio for grading. Careful attention to the details of these instructions and to the details of each individual assignment will greatly ease this phase of the examination procedure.

All work must be done by you. The only exceptions to this are the processing and printing of color materials and motion picture films. You are however held responsible for the finished quality of any materials produced for you, in that you have judged their quality as acceptable.

When a subject is not specified, you have the opportunity to choose any appropriate subject material that will satisfy the purpose of the assignment. When a specific media or technique is not specified you may choose to execute an assignment using any media or technique which falls within the broad parameters listed below.

Each assignment must be organized as a single unit in sequential viewing order. Each unit will include: a data sheet, a digital data sheet (is applicable) all negatives, digital files, transparencies and prints. (Do not include bracketed or duplicate exposures. All digital files for the portfolio may be submitted on a single CD)

It must be possible for examiners to remove negatives or transparencies for detailed inspection. Examiners will often project transparencies or make prints from your negatives in order to assist in judging the quality of the finished assignment.

When an assignment requires submission of projection transparencies you must submit slides which can be projected in a standard 35mm slide projector. Projection transparencies must be mounted in cardboard or plastic mounts. Transparencies mounted in glass are not acceptable. The mounts must be labeled with the assignment and candidate numbers and have an orientation mark placed in the lower left corner when viewed correctly.

Larger format transparencies should be submitted only for assignment E49 or when an assignment allows you to select the medium of presentation. Transparencies should be sleeved for viewing on a light box and must have an orientation mark placed in the lower left corner when viewed correctly.

Prints must have an **image area** between 4.5 x 6.5 inches and 5.0 x 7.0 inches. (Note: The only exceptions to this sizing requirement are the multiple prints required for assignment E28 or print submissions with R9.) Multi-print assignments are to contain separate images, each of which must fulfill these size specifications. Multiple prints must be presented so that they can be viewed and graded together.

Prints should be produced for optimum viewing in a brightly illuminated area (100 foot-candles). Submit the best prints that you can make from your negatives. Prints should contain clean whites, dense blacks and appropriate tone or color ranges. Details should be visible in both the highlight and shadow areas of the image. (Please note that inadequate print quality is a common problem for candidates.)

Requested magnifications should be calculated for **final print magnification**. Accompanying projection transparencies must cover approximately the same field as the print. Projects that require specific magnifications must provide proof by the inclusion of a negative or slide, with a reference scale (i.e. stage micrometer or transparent ruler) photographed at the same magnification as the subject.

Slide-Tape submissions must contain 35mm slides loaded in proper sequence in a standard Carousel® type tray. The audio portion of the program must be submitted on a standard audiotape cassette which must be programmed on Track 2 to inaudibly advance the projector using the ANSI standard 1KHz pulse advance frequency.

Motion picture film submissions are no longer acceptable. All motion media (except for digital multimedia) must be submitted on standard VHS videotape with NTSC signal. (Please note that while VHS is perfectly acceptable as a release medium, candidates will be held to a professional level production standard.)

Candidates who wish to submit assignments in formats or media other than those listed above or in the specific assignment instructions must obtain permission in advance of submission from the Practical Exam Coordinator (PRAXCO).

The data sheet which accompanies each assignment submission should be completed as carefully and thoroughly as possible. If an item on the data sheet is not applicable, please mark it so (N/A). **Failure to include required information on the data sheet will result in that assignment being ruled incomplete.**

It is recommended that nothing within your Practical Examination portfolio reveal your name or the identity of your institution. All items that will be seen by examiners should be labeled only with your candidate number. At your discretion, you may wish to leave your name in

the titles or credits of completed productions or materials if you are willing to sacrifice anonymity.

You are responsible for presenting the assignments and packaging your Practical Examination portfolio in a professional manner. Please remember that each assignment will be unpacked, examined and reassembled not less than 8 times in the course of the examination process. Clean, clear, neat, consistent and convenient assembly of the materials is taken into consideration by the examiners.

Prior to shipping you are required to document each completed assignment by making **three 35mm copy transparencies or slide duplicates and a copy of the data sheet for each assignment**. Each transparency mount must be labeled with the assignment number and your candidate number. One complete set of slides is for your records, while the other two sets are to be submitted with the portfolio. It is also required that you retain copies of any videotape, motion picture or slide-tape materials that you submit.

Shipping of the Practical Examination

Practical examinations must be received and ruled complete by the Practical Examination Coordinator no later than January 15 in order to guarantee an opportunity for eligibility to sit for the Oral Examination during that calendar year. Notify PRAXCO before you intend to ship your portfolio.

Your Practical Examination portfolio will be shipped a minimum of eight times in the course of the examination process. Accordingly, it should be packaged with sufficient protection to maintain its original quality. **Standard photograph shipping cases with the dimensions of 16 x 20 x 4 inches are required. Portfolios needing additional space to fit all materials will be accepted in a 20 x 20 x 4 inch case where such a need can be demonstrated.**

In addition to the assignments, please include the following in a separate envelope within your shipment: **two sets** of the 35mm copies of all assignments sleeved in plastic slide sheets (20/sheet); **a signed, witnessed statement attesting to your production of the enclosed assignments (see below)**; a stamped, self-addressed postcard for the Practical Examination Coordinator to return as acknowledgment of receipt; a listing of your current addresses, telephone numbers for voice and facsimile communication, and email address. Allow enough space in the shipping case for PRAXCO to add the Examiners' evaluation materials (approximately 9 x 12 x 0.25 inches).

Ship your Practical Examination portfolio to the Practical Examination Coordinator using a carrier that provides insurance and a tracking system. The Board of Registry will insure your portfolio for \$500.00 and you should do the same. All reasonable care will be taken in the handling and shipping of your Practical Examination portfolio, but neither the Biological Photographic Association, Inc.; the Board of Registry; or its assignees will be liable for any loss or damages.

Your shipping/insurance receipt, your copy of the documentation slides and the data sheet copies will serve as proof of shipment should a problem arise with the carrier(s).

Candidate's Statement

"I, the undersigned, do certify that, except where noted on assignment cover sheets, the enclosed practical examination assignments represent work which I have personally completed."

"I further understand that misrepresentation of these assignments may lead to denial of certification or disqualification should proof of such misrepresentation be presented to the Board of Registry of the BioCommunications Association, Inc.

Name: _____

Candidate #: _____

Address: _____

Signature: _____

Date: _____

Witness: _____

Signature: _____

Date: _____

Portfolio Evaluation

Upon receipt the Practical Examination Coordinator will open your Practical Examination Portfolio, remove the documentation slide sets and the witnessed statement and place these in the permanent files of the Board of Registry. PRAXCO will then verify the assignment count and inspect each assignment for obvious errors or omissions by following the criteria detailed in section A, Critical Grading Factors, of the grading sheets. **The Practical Examination Coordinator will declare the examination incomplete if any assignment does not satisfy the specified requirements.** If an examination is declared incomplete, PRAXCO will immediately contact the candidate with instructions for required action(s).

Once an examination has been ruled complete, PRAXCO will remove any remaining identifying markings, repack the portfolio and send it to a Regional Examination Coordinator (RECO). RECO is responsible for assembling a panel of four examiners (RECO may be one of the four) who will grade your Practical Examination. Each of the examiners is an RBP who has attended at least one Practical Examiners' Workshop. RECO is responsible for keeping track of your examination at all times and ensuring that the evaluation process proceeds on schedule.

The 18 required assignments and the 12 elective assignments of the Practical Examination are to be prepared by you as a demonstration of the best work that you are capable of producing. The four examiners grade your work independently and confidentially. You are known to the examiners only by your candidate number. Likewise, you will not know who the examiners are.

Each examiner records his or her scores for each assignment as well as comments. The grading sheets are forwarded to RECO and PRAXCO and the portfolio is shipped to the next examiner. The fourth examiner ships the portfolio to PRAXCO upon completion.

PRAXCO assembles the grades from each of the four examiners. Each assignment is allowed one failing mark from one of the graders. An assignment which receives 2 or more failing marks must be resubmitted.

Assignments which have not received a passing grade may be redone and resubmitted. PRAXCO will provide the candidate with instructions regarding resubmissions. Each resubmission effort must be accompanied by a \$50.00 fee.

The Practical Examination Coordinator returns your examination portfolio to you accompanied by a list of the final assignment grades and a distillation of the examiners' comments. **To complete the Practical Examination phase of the Certification Program you must pass 17 of the 18 required assignments and 11 of the 12 elective assignments.**

Instructions for Data Sheets

It is very important to fill out the data sheets as completely as possible. What the candidate may feel is too much information, is often quite useful for the Practical Exam Graders. Remember, the exam is designed to provide the candidate with a lot of latitude in deciding specific subjects and especially approaches to photographing them. The more a grader knows about why a subject was chosen, or why a specific technique was used, or even equipment or subject limitations, the more informed and accurate their grading can be. It can also be of benefit to the candidate: if there are problems with the assignment, it will be easier to provide guidance for remaking it. If something was done unconventionally, explain why. Use the “remarks” section, or a separate paper. In most cases, there is certainly more than one acceptable approach and why one approach was chosen over another can influence grading. A poor assignment can never be “explained away;” the final result is what matters the most. Does it meet the requirements of the assignment? Is the result professional? Would you give this to your most important client?

The following is a brief guide to what is expected in the data sheets, skipping the obvious. More is usually better.

Description of Assignment: Assignment as written in the guide, including description of subject.

Diagnosis: Describe any pathology involved - if the subject is normal, state that it is normal - the graders need to know what they are looking at!

Magnification: VERY IMPORTANT! Explain how magnification was arrived at, include supporting evidence and formulae used.

Imaging Equipment: Photographic equipment used - cameras, microscope or macroscope make (include any peripheral equipment attached), bellows, supports, gadgets.

Lighting Description: Lighting equipment and technique used.

Optical Data: Lenses used, including integral lenses on specialty equipment - identifying characteristics, such as PlanApo and N.A. on microscope lenses and condensers, video lenses, and any filtration data.

Printing Equipment: Enlarger type, enlarging lenses, special processors.

Outside Assistance: It is not against policy to elicit outside help, as long as the work is yours. Examples include outside color labs doing your color printing, or someone assisting on location under your direction.

Remarks: VERY IMPORTANT! Include anything you feel is relevant to a fair grading of your assignment. Make sure the graders do not have to assume anything. For example, explain processing which deviates from published “norms” or how exposure was determined. Everything is important.

Digital Data Sheet

(use this data sheet in addition to the regular data sheet for all digital assignments)

Platform: Type of computer, RAM, special cards, accelerators, etc.

Capture Device: Type and make of scanner, digital camera (including optical data), etc.

Output Device: Film recorder, printer, image setter, etc.

Capture Software: Scanning software, whether provided with hardware or third party, provide input resolution.

Image Processing and Enhancement: Software used for image manipulation.

Output Software: Any special software for output, such as drivers for film recorders, queues, etc., also output resolution and use of any compression schemes such as JPEG, PCX or GIF

Remarks: VERY IMPORTANT! Include anything you feel is relevant to a fair grading of your assignment. Resolution issues are important - why did you use your stated resolutions? There is quite a lot of computer detail that is not specified on this sheet. The more you can explain how your system works, the more the graders will know you understand the process.

CBP Data Sheet

CBP - Certified Biocommunications Professional

Candidate Number: _____

Assignment Number: _____

Description of Assignment or Subject:

Diagnosis: _____ Tissue Stain: _____

Magnification (including calculations/formulae): _____

Photographic Data

Imaging Equipment: _____

Lighting Description: _____

Optical Data: _____

Printing Equipment: _____

Negative Material: _____ Exposure: _____

Processing: _____

Printing Material: _____ Exposure: _____

Processing: _____

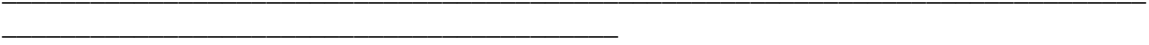
Transparency Material: _____ Exposure: _____

Processing: _____

Outside Assistance: _____

Remarks: _____

CBP



CBP Data Sheet for Digital Assignments

CBP - Certified Biocommunications Professional

Candidate Number: _____

Assignment Number: _____

Description of Assignment or Subject: _____

Hardware Data

Platform, including CPU information (Mac, PC, other): _____

Capture Device: _____

Output Device: _____

Other Relevant Peripherals: _____

Software Data (note versions)

Capture: _____

Image Processing and Enhancement: _____

Output: _____

Other Relevant Software Used: _____

Outside Assistance: _____

Remarks: _____

CBP

R1

CANDIDATE # _____

A photomicrograph at x10 to x25, of a transparent subject, which requires brightfield illumination. Produce an original black and white negative, a black and white print at the required magnification, and a color projection transparency of the same field. Submit a film original of a reference scale photographed at the same magnification as the subject. Include a bar scale on the print. A COMPOUND MICROSCOPE MAY NOT BE USED. DIGITAL TECHNIQUES MAY NOT BE USED.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your knowledge of the techniques of photomicrography, paying close attention to magnification, sharpness, exposure, color balance, use of filters, and even illumination.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate. Projects that require specific magnification must provide proof by the inclusion of a negative or slide, with a reference scale photographed at the same magnification as the subject.

<u>Pass</u>	<u>Fail</u>	
___	___	Black & white print with magnification at x10 to x25
___	___	Use of brightfield illumination
___	___	Black & white negative submitted
___	___	Film original of a reference scale submitted
___	___	Color transparency submitted of the same field as the print
___	___	Scale bar on print
___	___	Use of a compound microscope
___	___	Use of digital techniques

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate subject

Black & White Print

<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density
___	___	Illumination

Color Transparency

<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density
___	___	Illumination

CBP

— — Filtration

— — Color quality

R2

CANDIDATE # _____

Two photomicrographs of the same transparent subject which requires brightfield illumination. Produce two original black and white negatives and a matching pair of prints. Submit a film original of a reference scale photographed at the same magnification as the subject. Indicate magnification by the addition of a scale bar on each print. The area from which the higher magnification is taken must be indicated in the lower magnification print. **DIGITAL TECHNIQUES MAY NOT BE USED.**

- A low-power photomicrograph at x100 to x200
- A high-power photomicrograph four times the low-power photomicrograph

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your knowledge of the techniques of photomicrography, paying close attention to illumination, sharpness, filtration, and magnification calculations.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate. Projects that require specific magnification must provide proof by the inclusion of a negative or slide, with a reference scale photographed at the same magnification as the subject.

Pass Fail

- | | | |
|-----|-----|--|
| ___ | ___ | Print magnification within specified range(low x100-x200) (high 4 x low) |
| ___ | ___ | Use of brightfield illumination |
| ___ | ___ | Two black & white negatives submitted |
| ___ | ___ | Film original of a reference scale submitted |
| ___ | ___ | Scale bar included on prints |
| ___ | ___ | Area of high magnification indicated on the low magnification print |
| ___ | ___ | Use of digital techniques |
-

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

Pass Fail

- | | | |
|-----|-----|-----------------------|
| ___ | ___ | Appropriate subject |
| ___ | ___ | Print quality matches |

Low Magnification B&W Print

Pass Fail

- | | | |
|-----|-----|-------------------|
| ___ | ___ | Sharpness |
| ___ | ___ | Contrast |
| ___ | ___ | Tonal Range |
| ___ | ___ | Density |
| ___ | ___ | Even illumination |

High Magnification B&W Print

Pass Fail

- | | | |
|-----|-----|-------------------|
| ___ | ___ | Sharpness |
| ___ | ___ | Contrast |
| ___ | ___ | Tonal Range |
| ___ | ___ | Density |
| ___ | ___ | Even illumination |

CBP

— — Filtration

— — Filtration

R3

CANDIDATE # _____

Prepare a written paper describing a photographic procedure, original photographically related research, or the comparison of photographic materials. The length must not be less than 500 words. The topic you choose must contain photographic or graphic support. Submit all the photographs and diagrams as you would to a publisher (see J. Biological Photography, 50:4, October 1982 p 127) or consult a recognized source book on writing technical papers.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your ability to organize and express yourself in writing and to prepare a manuscript according to standard publication criteria.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Topic is photographically related
___	___	Topic contains graphic or photographic support
___	___	Graphic material is publication ready
___	___	Length of paper is at least five hundred words
___	___	Paper is original

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Organization
___	___	Continuity
___	___	Knowledge of subject
___	___	Spelling
___	___	Grammar
___	___	Quality of graphic figures (if applicable)
___	___	Quality of photographic figures (if applicable)

R4

CANDIDATE # _____

As a media producer, demonstrate the various steps involved in the planning and preparation for a single-concept instructional production. The medium you choose to plan for is optional. Use an actual or a hypothetical production parameter.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate the various steps involved in planning a media production including statements of purpose and audience level, storyboarding with script, production scheduling and cost analysis.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

Pass Fail

- | | | |
|-----|-----|---|
| ___ | ___ | Audience level and purpose statement included |
| ___ | ___ | Storyboard and script included |
| ___ | ___ | Production schedule included |
| ___ | ___ | Cost analysis included |
| ___ | ___ | Production is single-concept |
-

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

Pass Fail

- | | | |
|-----|-----|----------------------|
| ___ | ___ | Overall organization |
| ___ | ___ | Overall continuity |
| ___ | ___ | Spelling and grammar |
| ___ | ___ | Storyboard |
| ___ | ___ | Script |
| ___ | ___ | Production schedule |
| ___ | ___ | Cost analysis |

R5

CANDIDATE # _____

Submit a videotape in which you controlled the lighting, operated the camera, controlled the audio and edited the production. State the audience level and purpose. This assignment should be completed using single camera and editing techniques. It should contain opening and closing graphics with multiple scenes in between. Total screen time must not be less than five minutes (see E53 for submitting complex motion media in which you played a single role on a production team). Submissions must be on VHS videotape in NTSC format.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your ability to tell a story using professional motion media paying close attention to camera control, lighting, audio quality, graphics and editing technique.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Videotape is at least five minutes in length
___	___	Videotape contains opening and closing graphics
___	___	Videotape contains more than one scene
___	___	Videotape contains audio track
___	___	Videotape was created with single camera
___	___	Audience level and purpose statement is submitted

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Videotape illustrates a complete story
___	___	Videotape contains continuity
___	___	Subject lighting
___	___	Video camera control (focus, zoom, exposure)
___	___	Editing technique
___	___	Quality of graphics
___	___	Audio quality

R6

CANDIDATE # _____

Photograph transparent glassware, with or without liquid, set up in an appealing arrangement. Produce an original black and white negative, a black and white print and a color projection transparency of the same field. DIGITAL TECHNIQUES MAY NOT BE USED.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your ability to photograph glassware with appropriate lighting techniques (white or black line) paying close attention to how well the subject will reproduce in black & white and color.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

Pass Fail

- ___ ___ Black and white negative submitted
 - ___ ___ Black and white print submitted
 - ___ ___ Color transparency submitted
 - ___ ___ Print and color transparency are of identical field
 - ___ ___ Use of digital techniques
-

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

Pass Fail

- ___ ___ Appropriate subject
- ___ ___ White or black line lighting techniques demonstrated

Black & White Print

Color Transparency

Pass Fail

- ___ ___ Sharpness
- ___ ___ Contrast
- ___ ___ Tonal range
- ___ ___ Density
- ___ ___ Filtration
- ___ ___ Lighting

Pass Fail

- ___ ___ Sharpness
- ___ ___ Contrast
- ___ ___ Tonal range
- ___ ___ Density
- ___ ___ Color quality
- ___ ___ Lighting

R7

CANDIDATE # _____

A lighting comparison of a small lesion or damage to a biological subject. Produce two color prints from the same viewpoint, at the same magnification, and with obvious lighting differences. Indicate size of the lesion by the addition of a scale on each print.

- Texture lighting to demonstrate the dimensional aspects of the anomaly.
- Flat or soft lighting, which does not emphasize the anomaly but best demonstrates color.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your control of standardized lighting techniques, as well as consistent camera position, magnification, and print quality to present an accurate comparison of results.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

Pass Fail

- | | | |
|-----|-----|--|
| ___ | ___ | Two color prints with obvious lighting differences submitted |
| ___ | ___ | Two film originals submitted (if applicable) |
| ___ | ___ | Two sets of original and final digital files submitted (if applicable) |
| ___ | ___ | Scale included on prints |
-

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

Pass Fail

- | | | |
|-----|-----|--|
| ___ | ___ | Texture lighting and flat lighting demonstrated |
| ___ | ___ | Subject is appropriate |
| ___ | ___ | Magnification and camera position are consistent |
| ___ | ___ | Print quality matches |

Texture Lighting Print

Flat Lighting Print

Pass Fail

Pass Fail

- | | | |
|-----|-----|-------------|
| ___ | ___ | Sharpness |
| ___ | ___ | Contrast |
| ___ | ___ | Tonal range |
| ___ | ___ | Density |

- | | | |
|-----|-----|-------------|
| ___ | ___ | Sharpness |
| ___ | ___ | Contrast |
| ___ | ___ | Tonal range |
| ___ | ___ | Density |

CBP

— — Color quality
— — Lighting

— — Color quality
— — Lighting

R8

CANDIDATE # _____

Photograph a large subject, approximating the size and convolutions of the human body. Submit one print of the entire subject and one close-up print of a salient detail from the same perspective. The lighting may be somewhat different in the two views, but the two prints must be of matching quality.

- Full length of the subject
- Medium close-up to illustrate pathology or salient feature. This view must be visible in the full length photograph.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your abilities with patient (human or otherwise) photography techniques by photographing a large subject and matching it with a close-up of a notable detail. Close attention must be paid to consistent and correct subject positioning, selection and control of backgrounds, selection of a suitable lighting system and choice of proper lenses.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Two prints submitted, one full length and one close-up
___	___	Film originals submitted (if applicable)
___	___	Original and final digital files submitted (if applicable)
___	___	Salient feature in close-up is visible in the full length view

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate subject
___	___	Correct and consistent subject positioning
___	___	Camera position is consistent
___	___	Selection and control of background
___	___	Both prints match (i.e. skin tone)

Full Length

<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density

Medium Close-Up

<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density

CBP

— — Lighting
— — Camera perspective

— — Lighting
— — Camera perspective

R9

CANDIDATE # _____

Produce a series of images (four is minimum) illustrating a biological or medical process occurring over time and/or space: for example: corrective surgery, ophthalmic procedure, autopsy, investigative or experimental work. The series should include an establishing photograph followed by a series of images taken from a consistent viewpoint. Conventional photographic or digital imaging techniques may be used. Submit in the medium of your choice. Images may be presented together as prints, but must be a minimum of 2.5 x 3.5 inches each.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your ability to document a procedure and tell a complete story utilizing standardized viewpoints and techniques.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

Pass Fail

___	___	Series includes at least four images
___	___	Series is a medical or biological procedure
___	___	Film originals submitted (if applicable)
___	___	Original and final digital files submitted (if applicable)

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

Pass Fail

___	___	Subject is appropriate
___	___	Establishing image correctly sets the stage for the series

Pass Fail

___	___	Images are sequential and tell a complete story
___	___	Angle of view is consistent
___	___	Subject size is consistent
___	___	Lighting is consistent
___	___	Exposure is consistent
___	___	Images are sharp
___	___	Images have good contrast

— — Images have good tonal range
— — Images have good density

R10

CANDIDATE # _____

Photograph a bone specimen, with all soft tissue removed, to demonstrate texture, depth, and size (i.e. skull, femur, mandible, tooth, shell, or vertebra). Produce a black and white negative, black and white print, color negative and a color print of the same subject. Include a scale on both prints. DIGITAL TECHNIQUES MAY NOT BE USED.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your ability to control lighting to show dimensionality in a subject and to adjust the lighting so that the subject has the same tonal range in both black and white and color.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Black & white negative submitted
___	___	Black & white print submitted
___	___	Color negative submitted
___	___	Color print submitted
___	___	Subject size and positioning matches
___	___	Scale included on prints
___	___	Use of digital techniques

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate Subject
___	___	Lighting technique demonstrates texture, depth, or size
___	___	Camera position is consistent
___	___	Selection and control of background
___	___	Tonal range of both prints match

Color Photograph

<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness
___	___	Contrast
___	___	Tonal range

Black & White Photograph

<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness
___	___	Contrast
___	___	Tonal range

CBP

—	—	Density	—	—	Density
—	—	Appropriate lighting for color	—	—	Appropriate lighting for B&W

R11

CANDIDATE # _____

Demonstrate flat, moist specimen photography techniques by cutting an orange in half and photographing the entire freshly sliced surface to illustrate its membranous structure. Photograph the orange with transparency film, then create a black and white internegative and black and white print from the internegative. **DIGITAL TECHNIQUES MAY NOT BE USED.**

Purpose of the Assignment:

The purpose of this assignment is twofold:

- First to demonstrate your ability to photograph gross specimens with special attention to specular highlight control.
- Second, to show your ability to convert color slides into publication quality prints with conventional photographic techniques.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

Pass Fail

- | | | |
|-----|-----|---|
| ___ | ___ | Image shows the entire surface of a freshly halved orange |
| ___ | ___ | Original transparency submitted |
| ___ | ___ | Internegative submitted |
| ___ | ___ | Black and white print submitted |
| ___ | ___ | Use of digital techniques |

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

Pass Fail

- | | | |
|-----|-----|--------------------------------|
| ___ | ___ | Specular highlights controlled |
| ___ | ___ | Good internegative quality |

Color Transparency

Black & White Photograph

Pass Fail

Pass Fail

___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density

___	___	Sharpness
___	___	Contrast
___	___	Tonal range matches transparency

CBP

— — Color balance

— — Density

R12

CANDIDATE # _____

Demonstrate a comparison of infrared or ultraviolet differentiation (invisible radiation), versus conventional photographic techniques of the same subject (i.e. chlorophyll distribution, blood oxygenation, or document alteration). Photography of visible light fluorescence is not acceptable. Submit a matched pair of images in the medium of your choice and explain the techniques in the data sheet.

Purpose of the Assignment:

The purpose of this assignment is to disclose information which is recorded beyond the range of visible wavelengths. This information should not be visible before recording, only after the image has been processed

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Conventional (record) image submitted
___	___	Infrared or ultraviolet (invisible radiation) image submitted
___	___	Two film originals submitted (if applicable)
___	___	Two sets of original and final digital files submitted (if applicable)
___	___	Technique is explained on the data sheet
___	___	Visible fluorescence shown

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Subject is appropriate
___	___	Proper use of filtration
___	___	Appropriate recording medium (i.e. film choice or range of CCD)
___	___	Appropriate lighting technique

Record Image

Invisible Radiation Image

<u>Pass</u>	<u>Fail</u>		<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness	___	___	Sharpness
___	___	Contrast	___	___	Contrast
___	___	Tonal range	___	___	Tonal range
___	___	Density	___	___	Density

CBP

— — Color (if applicable)

— — Color (if applicable)

R13

CANDIDATE # _____

Photograph a subject with a wide gradient tonal range. The subject you choose should be one that will enable you to photographically enhance the subject's informational content. Produce two black and white negatives and prints of the subject from the same viewpoint, one set with and one set without enhancement. Describe the enhancement technique(s) on the data sheet. **DIGITAL TECHNIQUES MAY NOT BE USED.**

Purpose of the Assignment:

To demonstrate your knowledge and application of film choice, processing techniques, and filtration to enhance detail in a gradient subject while maintaining informational content throughout.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Negative of record image submitted
___	___	Record black & white print submitted
___	___	Negative of enhanced image submitted
___	___	Enhanced black & white print submitted
___	___	Prints are of identical viewpoint
___	___	Description of enhancement included
___	___	Use of digital techniques

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate subject
___	___	Appropriate film choice
___	___	Appropriate processing technique
___	___	Appropriate use of filters

Record Print

Enhanced Print

<u>Pass</u>	<u>Fail</u>		<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness	___	___	Sharpness
___	___	Contrast	___	___	Contrast

CBP

— — Tonal range
— — Density

— — Tonal range
— — Density

R14

CANDIDATE # _____

A photomacrograph of a small, highly reflective subject (i.e. an everyday instrument, gold or tyconium casting, skin scraper, insect, or small snail shell). Produce two original black and white negatives and prints. One image must show the entire subject at an appropriate magnification. The second image must show a detail of configuration, deterioration or wear from the same perspective at a magnification of 5 to 10 times that of the first view. **DIGITAL TECHNIQUES MAY NOT BE USED.**

Purpose of the Assignment:

The purpose of this assignment is twofold:

- First to demonstrate the techniques of three dimensional photomacrography, especially as it applies to plane of focus and other issues of sharpness
- Second to demonstrate the lighting control of a small reflective subject.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Two black and white negatives submitted
___	___	Two black and white prints submitted
___	___	Magnification of the second image is 5 to 10 times that of the first image
___	___	Use of digital techniques

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate subject
___	___	Images are from the same perspective

Low Magnification Print

High Magnification Print

<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness
___	___	Contrast
___	___	Tonal range

<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness
___	___	Contrast
___	___	Tonal range

CBP

— — Density
— — Lighting control

— — Density
— — Lighting control

R15

CANDIDATE # _____

Photograph a mechanical trace such as an ECG, seismograph, or a specially prepared graph on grid paper. The original must be publication ready, containing information such as dates, timings, or labeling. A printer must be able to reproduce both prints without the use of a screen. A specially prepared graph should be substituted only if a mechanical trace is not available. Produce two black and white negatives and matching prints:

- Grid lines retained
- Grid lines dropped

Submit the original trace. DIGITAL TECHNIQUES MAY NOT BE USED.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate fine control of film, filtration, exposure, processing and printing techniques in order to reproduce publication ready scientific data. Close attention to retaining detail in fine lines is essential.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Negative with gridlines retained submitted
___	___	Print with gridline retained submitted
___	___	Negative with gridlines dropped submitted
___	___	Print with gridlines dropped submitted
___	___	Original tracing submitted
___	___	Use of digital techniques

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Original Properly Labeled

Retain Grid Lines

Drop Grid Lines

<u>Pass</u>	<u>Fail</u>		<u>Pass</u>	<u>Fail</u>	
___	___	Grid lines retained	___	___	Grid lines dropped
___	___	Negative quality	___	___	Negative quality
___	___	Print sharpness	___	___	Print sharpness
___	___	Print contrast	___	___	Print contrast

CBP

—	—	Print tonal range	—	—	Print tonal range
—	—	Print density	—	—	Print density
—	—	Proper use of filtration	—	—	Proper use of filtration

R16

CANDIDATE # _____

Photograph a radiograph requiring enhancement in order to increase the original informational content. Submit the original radiograph, which must contain obvious under or over exposure, stain, or other defects. Produce a black and white print and projection transparency. Describe your enhancement technique(s) on the data sheet. DIGITAL TECHNIQUES MAY NOT BE USED.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your ability to use various enhancement techniques, in order to produce an acceptable reproduction from a difficult original subject.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Black and white negative submitted
___	___	Black and white print submitted
___	___	Black and white transparency submitted
___	___	Original radiograph submitted
___	___	Enhancement technique described on data sheet
___	___	Use of digital techniques

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate original radiograph
___	___	Appropriate enhancement technique
___	___	Enhancement is apparent

Black & White Print

Projection Transparency

<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness
___	___	Contrast
___	___	Tonal range

<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness
___	___	Contrast
___	___	Tonal range

CBP

— — Density

— — Density

R17

CANDIDATE # _____

Produce two portraits of the same person:

- Conventional head and shoulders studio portrait
- Working portrait, showing the subject in a job-related environment.

Submit two prints. The first print will be graded for portrait techniques. The second print will be graded for your ability to create a portrait with public interest. These photographs should be produced as though they were to be used in a public relations brochure.

Purpose of Assignment:

The purpose of this assignment is to demonstrate your knowledge of standard portrait techniques, especially lighting and subject positioning. Additionally, the working portrait should show your creative abilities in producing a portrait with public interest.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Conventional studio portrait submitted
___	___	Working portrait of the same individual submitted
___	___	Two film originals submitted (if applicable)
___	___	Two sets of original and final digital files submitted (if applicable)

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Portraits appropriate for public relations brochure

Studio Portrait

Working Portrait

<u>Pass</u>	<u>Fail</u>		<u>Pass</u>	<u>Fail</u>	
___	___	Subject positioning	___	___	Appropriate setting
___	___	Portrait lighting	___	___	Lighting
___	___	Sharpness	___	___	Sharpness
___	___	Contrast	___	___	Contrast

CBP

—	—	Tonal range	—	—	Tonal range
—	—	Density	—	—	Density
—	—	Color (if applicable)	—	—	Color (if applicable)

R18

CANDIDATE # _____

Produce and submit three computer generated graphics, in which you operated all the input functions: making design, color, and legibility decisions. The format and content of the first two graphics is left to the candidate's discretion. The third graphic must be a table of numerical information with a title, subtitle, and three columns. The graphics must be submitted as projection transparencies of at least 2000 line resolution. Submit all files created for this assignment according to the Instructions for Digital Submissions.

Submit a one page written paper describing the system you used and how the image transfer was accomplished. (A service center may image the graphics) but you must describe the technology that the bureau used).

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your knowledge of computer graphic production, paying close attention to design elements, use of color and legibility. The purpose of the written paper is to show your understanding of how the software and hardware function.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Three computer generated transparencies enclosed
___	___	The third transparency contains a title, a subtitle, and at least three columns of numerical information
___	___	Written paper submitted
___	___	Files submitted

B MOST IMPORTANT GRADING FACTORS

This section represents the most important grading aspects of the assignment. If any factors in this section fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Written description of the imaging process

	<u>Slide #1</u>		<u>Slide #2</u>		<u>Slide #3</u>	
	<u>Pass</u>	<u>Fail</u>	<u>Pass</u>	<u>Fail</u>	<u>Pass</u>	<u>Fail</u>
Resolution	___	___	___	___	___	___
Sharpness	___	___	___	___	___	___
Contrast	___	___	___	___	___	___
Density	___	___	___	___	___	___
Use of color	___	___	___	___	___	___
Graphic design	___	___	___	___	___	___

Graphic legibility

— — — — — — —

E22

CANDIDATE # _____

Produce a black and white or color print of a textured spherical object.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your control of lighting by photographing a three dimensional spherical object containing a textured surface. The final print should demonstrate the dimensionality and texture of the original subject.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	B&W or color print submitted
___	___	Film original submitted (if applicable)
___	___	Original and final digital file submitted (if applicable)

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate subject
___	___	Lighting demonstrates dimensionality and texture
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density
___	___	Lighting
___	___	Color quality (if applicable)

E23

CANDIDATE # _____

Produce two photographs of a defined area, e.g. a homicide scene, an animal in its natural environment, or an ecozone boundary. The first image should be a general orientation view. The second image should be a close-up of some detail located within the general view. Produce in the medium of your choice.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your ability to tell a story using orientation and detail information to inform an observer.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	General orientation image submitted
___	___	Close-up image submitted
___	___	Two film originals submitted (if applicable)
___	___	Two sets of original and final digital files submitted (if applicable)

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Images tell a story
___	___	Area of close-up photo visible in the general view

General View

Close-up Detail

<u>Pass</u>	<u>Fail</u>		<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness	___	___	Sharpness
___	___	Contrast	___	___	Contrast
___	___	Tonal range	___	___	Tonal range
___	___	Density	___	___	Density
___	___	Color quality (if applicable)	___	___	Color quality (if applicable)
___	___	Lighting	___	___	Lighting

E24

CANDIDATE # _____

Produce two photographs using a view camera. In one image leave the camera standards in the zero position. In the second image, without moving the camera, use the swings and tilt mechanism to improve the perspective in the photograph.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your knowledge and ability to correct perspective distortion using the movements available in a view camera. The subject matter is your choice but should be selected to best demonstrate the perspective corrections.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Uncorrected image with distortion submitted
___	___	Image with perspective correction submitted
___	___	Two film originals submitted (if applicable)
___	___	Two sets of original and final digital files submitted (if applicable)

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate subject
___	___	Demonstrated perspective correction

Uncorrected Image

Corrected Image

<u>Pass</u>	<u>Fail</u>		<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness	___	___	Sharpness
___	___	Contrast	___	___	Contrast
___	___	Tonal range	___	___	Tonal range
___	___	Density	___	___	Density
___	___	Color quality (if applicable)	___	___	Color quality (if applicable)
___	___	Lighting	___	___	Lighting
___	___	Depth of field	___	___	Depth of field

E28

CANDIDATE # _____

Produce an 8x10 composite print of the nine cardinal eye positions of gaze, appropriately placed and prepared for reproduction.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your knowledge of standard patient orientation and your ability to prepare a collection of images with matching print quality.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	8x10 composite print submitted
___	___	Composite includes nine images showing different gaze directions
___	___	Nine film originals submitted (if applicable)
___	___	Nine sets of original and final digital files submitted (if applicable)

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Correct gaze orientations demonstrated
___	___	Nine images arranged properly
___	___	Control of depth of field shown
___	___	Print quality matches
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density
___	___	Color quality (if applicable)
___	___	Lighting

E33

CANDIDATE # _____

Produce four full head photographs of a traumatic repair, rhinoplasty, otoplasty, dental osteotomy, or orthodontic patient. Photograph front and lateral views before and after treatment. Produce in the medium of your choice.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your knowledge of standard techniques in patient photography including patient positioning, camera angles, magnification ratios, background control and lighting. All four images should be of equal quality and the orientations between pre- and post-treatment should be consistent.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Front and lateral views before treatment submitted
___	___	Front and lateral views after treatment submitted
___	___	Four film originals submitted (if applicable)
___	___	Four sets of original and final digital files submitted (if applicable)
___	___	Images show full head

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate subject
___	___	Image quality consistent in all photographs
___	___	Orientation in frontal photographs is correct and consistent
___	___	Orientation in lateral photographs is correct and consistent
___	___	Correct magnification ratio for full head photographs
___	___	Depth of field properly controlled
___	___	Lighting control
___	___	Sharpness in all images
___	___	Contrast in all images
___	___	Tonal range in all images
___	___	Density in all images
___	___	Color quality in all images (if applicable)

C QUALIFYING SCALES

This section provides grader's feedback on the overall quality of the final products in the passing assignment.

Complete Set of Pre- and Post- Treatment Images

- ___ Superior
- ___ Excellent
- ___ Good
- ___ Fair

D GRADER'S COMMENTS

This section should include all pertinent observations by the grader as they relate to the critical grading factors and additional minor issues such as: Finishing, Spotting, Presentation, Selection and use of film, Selection of subject, Exposure, Film Processing, Filtration, Composition and Use of equipment.

E34

CANDIDATE # _____

Make two photographs a fresh gross specimen. First, photograph the entire specimen, then photograph a cut surface of the organ demonstrating its internal structure. Produce in the medium of your choice. Include a scale in the images.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your control of lighting, backgrounds and depth of field to produce quality photographs of a thick moist subject. Proper tissue orientation should also be demonstrated.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Image of whole gross specimen submitted
___	___	Image of cut gross specimen submitted
___	___	Two film originals submitted (if applicable)
___	___	Two sets of original and final digital files submitted (if applicable)
___	___	Scale is shown in both images

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate subject
___	___	Correct tissue orientation
___	___	Background control

Whole Specimen

<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density
___	___	Color quality (if applicable)
___	___	Lighting control
___	___	Depth of field

Cut Specimen

<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density
___	___	Color quality (if applicable)
___	___	Lighting control
___	___	Depth of field

E38

CANDIDATE # _____

Produce a photomicrograph of a small, living, untranquilized animal, e.g. a moth, fish, mouse, spider, hummingbird or wasp. The final image must be at a magnification of at x2 to x5. Produce in the medium of your choice.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your ability to work with live subjects in a photomicrographic situation paying close attention to correct magnification range, specimen sharpness, selective focus, lighting technique and control of depth of field.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate. Projects that require specific magnification must provide proof by the inclusion of a negative or slide, with a reference scale photographed at the same magnification as the subject.

<u>Pass</u>	<u>Fail</u>	
___	___	Specimen was living and untranquilized
___	___	Final image magnification within specified range (x2 to x5)
___	___	Film original submitted (if applicable)
___	___	Original and final digital file submitted (if applicable)
___	___	Original image of a reference scale submitted

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Subject positioning
___	___	Selective focus
___	___	Control of depth of field
___	___	Lighting control
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density
___	___	Color quality (if applicable)

E39

CANDIDATE # _____

Produce a photomicrograph at X2 to X5 of an immobile subject, e.g. a moth collection, specimen, postage stamp, tooth, forcible-entry marks, or leaf. If possible, submit the original subject matter. Produce a black and white print. DIGITAL TECHNIQUES MAY NOT BE USED.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your ability to produce a high quality detailed print in the photomicrographic range. Image sharpness, depth of field and tonal reproduction are very important.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate. Projects that require specific magnification must provide proof by the inclusion of a negative or slide, with a reference scale photographed at the same magnification as the subject.

<u>Pass</u>	<u>Fail</u>	
___	___	Subject is immobile
___	___	Final image magnification within specified range (x2 to x5)
___	___	Black and white negative submitted
___	___	Black and white print submitted
___	___	Original image of a reference scale submitted
___	___	Use of digital techniques

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Sharpness
___	___	Selective focus
___	___	Control of depth of field
___	___	Tonal reproduction
___	___	Contrast
___	___	Density
___	___	Lighting appropriate for subject

E40

CANDIDATE # _____

Produce a photomicrograph at x10 to x25 of an opaque subject, e.g. an insect head, fossilized material with venous structure, or insect damage to bark. Produce in the medium of your choice.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your ability to produce a high quality detailed photomicrograph using proper lighting and optical techniques. Image sharpness, lighting technique, focus control and depth of field are important.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate. Projects that require specific magnification must provide proof by the inclusion of a negative or slide, with a reference scale photographed at the same magnification as the subject.

<u>Pass</u>	<u>Fail</u>	
___	___	Specimen is opaque
___	___	Final image magnification within specified range (x10 to x25)
___	___	Film original submitted (if applicable)
___	___	Original and final digital file submitted (if applicable)
___	___	Original image of a reference scale submitted

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Selective focus
___	___	Control of depth of field
___	___	Lighting control
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density
___	___	Color quality (if applicable)

E41

CANDIDATE # _____

Produce a photomicrograph at x10 to x20 of a subject which requires reflected and transmitted light simultaneously. You may use the medium of your choice.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your ability to control the exposures and use of two light sources while adhering to good photomicrographic techniques. Pay close attention to focus, image sharpness, and depth of field.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate. Projects that require specific magnification must provide proof by the inclusion of a negative or slide, with a reference scale photographed at the same magnification as the subject.

<u>Pass</u>	<u>Fail</u>	
___	___	Lighting includes simultaneous reflected and transmitted illumination
___	___	Final image magnification within specified range (x10 to x20)
___	___	Film original submitted (if applicable)
___	___	Original and final digital file submitted (if applicable)
___	___	Original image of a reference scale submitted

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate subject requiring reflected and transmitted lighting
___	___	Lighting control
___	___	Selective focus
___	___	Sharpness
___	___	Control of depth of field
___	___	Contrast
___	___	Tonal range
___	___	Density
___	___	Color quality (if applicable)

E42

CANDIDATE # _____

Produce a photomicrograph at x200 to x450 of a tissue requiring illumination other than brightfield. Include a scale on the print. You may use the medium of your choice, but the final image should be submitted as a print. Describe the principle of your illumination on the data sheet.

Purpose of the Assignment:

The purpose of this assignment is to show your knowledge and application of specialized photomicrography lighting.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate. Projects that require specific magnification must provide proof by the inclusion of a negative or slide, with a reference scale photographed at the same magnification as the subject.

<u>Pass</u>	<u>Fail</u>	
___	___	Final image magnification within specified range (x200 to x450)
___	___	Lighting other than brightfield
___	___	Film original submitted (if applicable)
___	___	Original and final digital file submitted (if applicable)
___	___	Color or black and white print submitted
___	___	Original image of a reference scale submitted
___	___	Scale bar on print
___	___	Illumination principle is described on data sheet

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate subject
___	___	Description of technique
___	___	Lighting control
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density
___	___	Filtration
___	___	Color quality (if applicable)

E45

CANDIDATE # _____

Produce three duplicate color transparencies from original transparencies. Two of the original transparencies must be corrected for the following defects. (A) One full stop underexposure, (B) Obvious color balance defect. The third transparency (C) should be a normal duplicate. Submit the original and duplicate transparencies.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate normal slide duplicating procedures and your ability to use these duplicating techniques to improve defective originals.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate. Projects that require specific magnification must provide proof by the inclusion of a negative or slide, with a reference scale photographed at the same magnification as the subject.

<u>Pass</u>	<u>Fail</u>	
___	___	Under-exposed transparency submitted
___	___	Exposure corrected duplicate transparency submitted
___	___	Original transparency with poor color balance submitted
___	___	Color corrected duplicate transparency submitted
___	___	Good quality original transparency submitted
___	___	Normal duplicate transparency of good quality original submitted

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

		Exposure Correction		Color Correction		
		Slide A		Slide B		
<u>Pass</u>	<u>Fail</u>			<u>Pass</u>	<u>Fail</u>	
___	___	Exposure		___	___	Color balance
___	___	Sharpness		___	___	Exposure
___	___	Contrast		___	___	Sharpness
___	___	Density	___	___	___	Contrast
___	___	Tonal range		___	___	Density
___	___	Color balance		___	___	Tonal range
Normal Duplicate						
Slide C						
<u>Pass</u>	<u>Fail</u>			<u>Pass</u>	<u>Fail</u>	
___	___	Slide matches original		___	___	Density
___	___	Exposure		___	___	Tonal range
___	___	Sharpness		___	___	Color balance

— — Contrast

E47

CANDIDATE # _____

Produce a creative public relations photograph. The image may be created in the medium of your choice, but you must submit a print.

Purpose of the Assignment:

The purpose of this assignment is to demonstrate your ability to produce an image that will have human interest to a lay audience. Good lighting technique and control of backgrounds is also expected.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Public relations photograph submitted
___	___	Film original submitted (if applicable)
___	___	Original and final digital file submitted (if applicable)

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Image is creative and has human interest to a lay audience
___	___	Lighting
___	___	Background
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density
___	___	Color quality (if applicable)

E50

CANDIDATE # _____

Produce an exterior architectural photograph, illustrating structural or design detail. Submit two black and white prints:

- The architectural structure
- x10 enlargement from a portion of the negative

DIGITAL TECHNIQUES MAY NOT BE USED.

Purpose of the Assignment:

The purpose of this assignment is to illustrate control over perspective, use of available light and filtration in exterior architectural photography. Special attention to equipment and film choice is essential to produce two high-resolution prints with good sharpness and matching tonal values.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	One black and white negative submitted
___	___	Black and white print of an exterior architectural structure submitted
___	___	X10 enlargement from a portion of the negative submitted
___	___	Use of digital techniques

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

Architectural Structure

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate subject
___	___	Control of perspective
___	___	Use of available light
___	___	Use of filters
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density

x10 Enlargement

<u>Pass</u>	<u>Fail</u>	
___	___	Matching print quality
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density

E58

CANDIDATE # _____

Using a slide scanner, flat bed scanner, or digital camera, capture an image and import it into a computer. Using appropriate software, enhance the image by removing distracting backgrounds or labeling the image. Present the original and enhanced version of the image together as a matched set of prints or slides. Submit the original material (if scanned), the original scan file or digitally captured file, and the enhanced file according to the section on "Submitting Assignments Made with Digital Technology". Describe your technique on the data sheet.

Purpose of the Assignment:

The purpose of this assignment is to show your ability to create digital files and your technical and creative abilities to work with image editing software in order to improve an image.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate.

<u>Pass</u>	<u>Fail</u>	
___	___	Slide or print of original image submitted
___	___	Slide or print of enhanced image submitted
___	___	Original material submitted (if applicable)
___	___	Original scan file or digitally captured file submitted
___	___	Enhanced image file submitted
___	___	Technique described on data sheet

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate image for enhancement
___	___	Accurate written description

Enhanced Image

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate enhancement technique
___	___	Enhancement quality
___	___	Sharpness
___	___	Contrast
___	___	Tonal range
___	___	Density
___	___	Color balance

E59

CANDIDATE # _____

Unspecified assignment relevant to your specialty of biophotography. The purpose of this assignment is to allow submission of actual productions within your specialty. This assignment must be reviewed and accepted by PRAXCO before submission. The parameters agreed to by PRAXCO must be stated in the data sheet(s). Produce in the medium of your choice. You may submit two different unspecified assignments (E59 and E60). The requirements for these submissions must differ from each other and from the first 58 assignments, not simply be a repeat with different subjects.

Purpose of the Assignment:

The purpose of this assignment is to allow submission of actual productions within your specialty. Because of the latitude of this assignment, graders will be carefully reviewing all aspects of your imaging process with a most critical eye. Every detail will be important enough to warrant critical grading.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate. Projects that require specific magnification must provide proof by the inclusion of a negative or slide, with a reference scale photographed at the same magnification as the subject.

<u>Pass</u>	<u>Fail</u>	
___	___	Unspecified assignment differs from all other assignments submitted.
___	___	Assignment parameters clearly stated in the data sheet(s).
___	___	All original film or digital files submitted.
___	___	All required prints submitted.
___	___	Film original of a reference scale for magnification submitted(if applicable)

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate subject for the stated parameters
___	___	Lighting is appropriate for this subject matter
___	___	Execution of lighting technique
___	___	Choice and use of backgrounds
___	___	Use of equipment (camera positioning, perspective, lens choice)
___	___	Sharpness of final image
___	___	Contrast of final image
___	___	Tonal range of final image
___	___	Density of final image
___	___	Use of filtration (if applicable)
___	___	Color quality of final image (if applicable)

CBP

— — Quality of film original(s) (if applicable)

E60

CANDIDATE # _____

Unspecified assignment relevant to your specialty of biophotography. The purpose of this assignment is to allow submission of actual productions within your specialty. This assignment must be reviewed and accepted by PRAXCO before submission. The parameters agreed to by PRAXCO must be stated in the data sheet(s). Produce in the medium of your choice. You may submit two different unspecified assignments (E59 and E60). The requirements for these submissions must differ from each other and from the first 58 assignments, not simply be a repeat with different subjects.

Purpose of the Assignment:

The purpose of this assignment is to allow submission of actual productions within your specialty. Because of the latitude of this assignment, graders will be carefully reviewing all aspects of your imaging process with a most critical eye. Every detail will be important enough to warrant critical grading.

A CRITICAL GRADING FACTORS

This section is for the PRAXCO only. Factors that fail in this section will require resubmission by the candidate. Projects that require specific magnification must provide proof by the inclusion of a negative or slide, with a reference scale photographed at the same magnification as the subject.

<u>Pass</u>	<u>Fail</u>	
___	___	Unspecified assignment differs from all other assignments submitted.
___	___	Assignment parameters clearly stated in the data sheet(s).
___	___	All original film or digital files submitted.
___	___	All required prints submitted.
___	___	Film original of a reference scale for magnification submitted(if applicable)

B MOST IMPORTANT GRADING FACTORS

This section represents the most critical grading aspects of the assignment. If any factors fail, the project fails. Graders must provide an evaluation of any failing factor. If all criteria pass, the project passes.

<u>Pass</u>	<u>Fail</u>	
___	___	Appropriate subject for the stated parameters
___	___	Lighting is appropriate for this subject matter
___	___	Execution of lighting technique
___	___	Choice and use of backgrounds
___	___	Use of equipment (camera positioning, perspective, lens choice)
___	___	Sharpness of final image
___	___	Contrast of final image
___	___	Tonal range of final image
___	___	Density of final image
___	___	Use of filtration (if applicable)
___	___	Color quality of final image (if applicable)

CBP

— — Quality of film original(s) (if applicable)

