



A: Division: INSTRUCTIONAL

Date: April 3, 1998

B: Faculty: LANGUAGE, LITERATURE & PERFORMING ARTS

New Course:

Revision of Course X  
Information Form: 12.11.87

C: STGE 112 (OLD 210)

D: STAGE LIGHTING

E:

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| Subject and Course Number   | Descriptive Title   | Semester Credit |
|---|---|-----------------|
| <p><b>F: Calendar Description:</b> Students will become familiar with industry standard working procedures for hanging, focusing and maintaining theatrical luminaries. Other topics will include light, colour, lenses, reflectors, lamps and basic electricity as they apply to lighting equipment for the stage. Students will also be required to attend and review 10 theatrical productions.</p> <p>Students should be physically able and not afraid of heights.</p> |   |                 |
| <p>Summary of Revisions: ( date &amp; section) 04.03.98: C,D,F,G,H,J,N,O,P,R.<br/>Eg. Section C,E,F</p>   |   |                 |
| <p><b>G: Type of instruction: Hrs per semester</b></p> <p>Lecture: 15 hrs<br/>Laboratory: 30 hrs<br/>Seminar: hrs<br/>Clinical Experience: hrs<br/>Field Experience: hrs<br/>Practicum: hrs<br/>Shop: hrs<br/>Studio: hrs<br/>Student Directed Learning: hrs<br/>Other (specify) hrs</p> <p>Total: 45 hrs</p>   | <p><b>H: Course Prerequisites</b> NONE</p>  |                 |
|   | <p><b>I: Course Corequisites</b> NONE</p>   |                 |
|   | <p><b>J: Course for which this Course is a Prerequisite</b></p> <p>STGE 212</p>               |                 |
|   | <p><b>K: Maximum Class Size:</b></p> <p>25</p>  |                 |
|   | <p><b>M: Transfer Credit</b> Requested X</p>  |                 |
|   | <p>Granted:</p>   |                 |
|   | <p><b>L: College Credit Transfer</b></p> <p>College Credit Non-Transfer</p> <p>Non-Credit</p> |                 |
| <p>Specify Course Equivalents or Unassigned Credit as appropriate:</p> <p>UBC:<br/>SFU:<br/>U Vic:<br/>Other:</p>   |   |                 |

*Rob Hamilton, Drew Yano*  
Course Designer(s)

*[Signature]*  
Vice-President

*Lerna McCrea*  
Faculty Dean

*[Signature]*  
Registrar

**N. Textbooks and Materials to be Purchased by Students  
(Use Bibliographic Form):**

Gillette, Michael. Theatrical Design and Production. 3rd Ed.  
Toronto: Mayfield Publishing, 1997.

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Complete form with entries under the following headings: O. Course Objectives; P. Course Content; Q. Method of Instruction; R. Course Evaluations

**O. COURSE OBJECTIVES**

1. Students will learn and demonstrate safe working procedures and precautions when dealing with theatrical luminaires and related equipment.
2. Students will learn and demonstrate a working knowledge of theatrical luminaires including:
  - basic lens and reflector characteristics
  - theatrical light sources
  - function and use of theatrical luminaires
3. Students will learn and demonstrate a working knowledge of the procedures and techniques for hanging and focusing of theatrical luminaires.
4. Students will be introduced to basic electrical theory and practices for the stage.
5. Students will be introduced to the theatrical community within the GVRD.

**P. COURSE CONTENT**

1. Basic Theory of Optics
  - 1.1 Composition of light
  - 1.2 Reflection: spherical, ellipsoidal, parabolic
  - 1.3 Refraction: fresnel, stepped, plano-convex
2. Light Sources
  - 2.1 Incandescent
  - 2.2 Tungsten - halogen
  - 2.3 Arc and discharge
  - 2.4 Other sources including fluorescent, laser, fiber optics, low voltage
3. Equipment
  - 3.1 Lens and lensless luminaires
  - 3.2 Spots and floods: fresnel, projectors, floods and scoops, par and r, follow spots

**4. Hang and Focus**

- 4.1 The light plot and schedules
- 4.2 Selection and preparation
- 4.3 Circuitry and patch
- 4.4 Trouble shooting and repair
- 4.5 Focus

**5. Basic Electricity for the Stage**

- 5.1 Basic electrical theory
- 5.2 Quantities and measurement
- 5.3 Basic wiring and maintenance for luminaires and cable

**Q. METHOD OF INSTRUCTION**

Students will receive 1 to 1 ½ hours of lecture/demonstration followed by 2 ½ hours of lab that includes independent work and one-on-one instruction.

**R. COURSE EVALUATION**

|                                      |            |
|--------------------------------------|------------|
| Lab test                             | 30%        |
| Written exam                         | 30%        |
| 10 Reviews of theatrical productions | <u>40%</u> |
| Total                                | 100%       |