

SINOPSE DA UNIDADE CURRICULAR / CURRICULAR UNIT SYNOPSIS

DESIGNAÇÃO DA UNIDADE CURRICULAR - Nº CRÉDITOS ECTS 3

Prática e Tecnologia de Mistura de Som

1. Tecnologias de mistura de som para Cinema:
 - a. Consolas de mistura de som;
 - b. Princípios operacionais, capacidades de mistura, características e utilidades operacionais;
 - c. Gestão e distribuição do sinal;
 - d. Canais de entrada;
 - e. Pré-amplificação de sinal;
 - f. Controlo e monitorização de sinal;
 - g. Potenciómetros panorâmicos
 - h. Secções de saída e distribuição de sinal: inserts, auxiliares, sub-grupos e masters;
 - i. Sistemas de intercomunicação
2. Controlo e registo de áudio digital não-linear:
 - a. Estações de trabalho portáteis e fixas (DAW)
 - b. Princípios operacionais;
 - c. Plataformas e sistemas operativos;
 - d. DSP, memória dedicada e armazenamento;
 - e. Interfaces e controladores MIDI.
3. Processamento de som: corretivo e criativo; de qualidade, de dinâmica, de espaço, e efeitos sonoros.
4. Gestão e organização de projectos; conformidade e preparação de projectos para mistura final;
 - a. Programação de automações;
 - b. Formatos de master e de difusão electroacústica.
5. Gestão operacional de estúdios de som.

A teoria aplicada é lecionada em articulação com os projetos desenvolvidos pelos alunos no âmbito do Seminário de Prática de Produção.

A avaliação é contínua e inclui as seguintes componentes:

Aplicação de competências prático-operacionais-30%

Trabalhos periódicos-20%

Teste escrito-35%

Assiduidade e Participação-15%

A avaliação da participação dos alunos dessa UC no Seminário de Prática de Produção, baseia-se na análise qualitativa do tratamento sonoro dos filmes produzidos durante o semestre, assim como na avaliação do empenho, da cooperação e da eficiência demonstrados durante a execução dos mesmos.

CURRICULAR UNIT

- 3 ECTS CREDITS

Sound Mixing - Practice and Technology

1. Sound mixing technologies for Cinema:

a. Sound mixing consoles:

b. Operating principles, mixing capabilities, operating characteristics and uses;

c. Management and signal distribution;

- d. Input channels;*
- e. Preamp;*
- f. Signal monitoring and control;*
- g. Panpot;*
- h. Output sections and signal distribution: inserts, auxiliary, sub-groups and masters;*
- i. Intercom systems.*
- 2. Control and registration of non-linear digital audio:*
 - a. Portable and fixed workstations (DAW):*
 - b. Operating principles;*
 - c. Platforms and operating systems;*
 - d. DSP, dedicated storage and memory;*
 - e. Audio interfaces and MIDI controllers.*
- 3. Sound processing: corrective and creative; quality, dynamic, space, and sound effects.*
- 4. Management and organization of projects; compliance and preparation of projects for final mixing;*
 - a. Programming automation;*
 - b. Formats for masters and electroacoustic diffusion.*
- 5. Operational management of sound studios.*

The theory applied is taught in conjunction with the projects developed by students under the Group Film Project. The tutorial guidance refers to monitoring and regular assessment of progress in the development of skills and competencies, as reflected in the various works produced by the students under the same seminar and practical classes.

The continuous evaluation, including the following components:

Application of practical and operational skills-30%

Periodic tasks-20%

Written test-35%

Attendance and Participation-15%

The assessment of the students is based in their participation in this curricular unit and Group Film Project; on the qualitative analysis of the sound treatment of the films produced during the semester, as well as in those produced during the semester, as well as in assessing the commitment, cooperation and efficiency demonstrated during...

The teaching methods encompasses two pedagogical aspects:

1. Theoretical Practice (30 hours);

2. Tutorial Orientation (10 hours).

The theory applied is taught in conjunction with the projects developed by students under the Group Film Project. The tutorial guidance refers to monitoring and regular assessment of progress in the development of skills and competencies, as reflected in the various works produced by the students under the same seminar and practical classes.

The continuous evaluation, including the following components:

Application of practical and operational skills-30%

Periodic tasks-20%

Written test-35%

Attendance and Participation-15%

The assessment of the students is based in their participation in this curricular unit

and Group Film Project; on the qualitative analysis of the sound treatment of the films produced during the semester, as well as in those produced during the semester, as well as in assessing the commitment, cooperation and efficiency demonstrated on that.