



CURSO DE MESTRADO ACADÊMICO

CURSO DE DOUTORADO

FICHA DA DISCIPLINA

DISCIPLINA: Tópicos em ecologia II: fotografia científica ambiental

CÓDIGO: ECR59A

U.A.: Instituto de Biologia

CRÉDITOS: 2

CH TOTAL: 45 h/a

CH Prática: 25

CH Teórica: 20

PRÉ-REQUISITO:

1) Não são necessários conhecimentos prévios sobre Fotografia.

2) Dica: ler o manual de sua câmera antes do curso e anotar dúvidas.

3) Equipamentos recomendados durante o curso:

- Aula teórica: câmera fotográfica (qualquer modelo), notebook e pen drive.

- Aulas práticas: roupa de campo (bota, perneira, boné, calça), água, repelente, antialérgicos, caderno de campo, câmera fotográfica (com baterias carregadas e cartão de memória vazio).

- Dinâmicas em grupo: notebook e pen drive.

CORREQUISITO:

DOCENTES: Prof. Dra. Camila Vieira (PNPD-UFU) e Prof. Dr. Yuri Fanchini Messas (UNICAMP)

OBRIGATÓRIA

OPTATIVA



OBJETIVOS

O advento da imagem digital e seu rápido avanço tecnológico nos permitem observar as formas e cores da natureza com cada vez mais resolução e detalhes, possibilitando maior compreensão dos organismos e suas interações. A fotografia apresenta-se como uma poderosa ferramenta, quando corretamente utilizada, para registrar em imagens as belezas contidas em ambientes naturais. Além disto, é uma prática que desenvolve nosso olhar e pode ser realizada por qualquer pessoa simplesmente como um hobby educativo e de autoconhecimento. Nesta disciplina, pretende-se mostrar um panorama geral da fotografia da natureza, seus usos na Ciência, aplicações e técnicas, bem como introduzir o aluno à prática fotográfica em campo

EMENTA E PROGRAMA

Dinâmica: As aulas são conduzidas de maneira teórica e prática com o objetivo de desenvolver as habilidades fotográficas e o olhar dos alunos em relação aos eventos que ocorrem na natureza. Os temas disponíveis incluem aspectos técnicos, históricos, filosóficos e psicológicos que permeiam a fotografia, incluindo escolha e utilização dos equipamentos, métodos de campo para encontrar e se aproximar de animais na natureza, estética da composição e iluminação, macrofotografia, fotografia de grupos específicos de seres vivos (ex. insetos, animais peçonhentos, plantas, fungos) e paisagens, criação de identidade visual, edição e tratamento de imagens e utilização da fotografia em pesquisas científicas.

Estrutura do curso

Aulas teóricas (20 h): 1) História da fotografia, 2) Desenvolvimento do olhar - criação de identidade visual, 3) Técnica fotográfica - como escolher e como utilizar o equipamento 4) Composição fotográfica – interface fotografia/psicologia, 5) Fotografia Científica Ambiental – usos da fotogra-



fia na Biologia, 6) Macrofotografia - fotografando aquilo que não vemos, 7) Fotografia e comportamento animal, 8) O pós-click - fluxo de imagens e direitos autorais.

Aulas práticas (12 h): 1) Prática de técnica e composição fotográfica, 2) Prática de identidade visual, 3) Projeto fotográfico: utilização da fotografia na ciência.

Dinâmicas em grupo (8 h): 1) Montagem das apresentações e 2) Apresentação e avaliação das fotografias feitas pelos alunos.

BIBLIOGRAFIA

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