Course Syllabus

1. **Program of Study**   Bachelor of Arts (Animation Production)
   Faculty/Institute/College   Mahidol University International College

2. **Course Code** ICAM 356   **Course Title** Media Compositing

3. **Number of Credits**   4 (Lecture/Lab) (2-4)

4. **Prerequisite**(*s*)   None

5. **Type of Course**   Elective for Animation Production and
   Film Production

6. **Trimester / Academic Year**   TBA

7. **Course Description**
   Introduction to principles and techniques of media compositing; conceptualizing many layers of visual material to create a complete picture; visualization of and combination of live action and computer generated pictures, not in real time during the shooting process; the marriage of multiple sources of visual material, each obtained at differing times in the production process.

8. **Course Objective**(*s*)
   After completing this course, students will be able to:
   1. understand and apply the theory and practices of cinematic compositing;
   2. create a project utilizing compositing techniques, including one layer   of live action material and two layers of computer generated materials.

9. **Course Outline**

Week	Topic		Instructor
	Lecture/Lab	Hour	
1	Theory of Compositing	2/4	
2	Survey of Compositing Practices	2/4	
3	Continued survey of compositing practices	2/4	
4	Problems in directing live actors	2/4	
5	Blue Screen techniques	2/4	
6	Camera motion control techniques	2/4	
7	Special compositing story board techniques	2/4	
8-9	Compositing exercises on-set; Assignment: Using video camera for collection of sample materials	4/8	
10-11	Use of computer animation techniques; Final project: Using computers for completion of compositing projects	4/8	
12	Evaluation of completed student projects	2/4	

	Total	24/48	

10. **Teaching Method***(s)*
Lecture, discussion, and hands-on practice.

11. **Teaching Media**
DVD/VCD players, video camera, compositing software, computer, TV monitors, and studio facilities.

12. **Measurement and evaluation of student achievement**
Assessment is made from the criteria of A, B+, B, C+, C, D+ and D

13. **Course evaluation**
Assignment　　　　40 %
Final project　　　　60%

14. **Reference***(s)*
David D. Busch, *Digital Retouching and Compositing: Photographers' Guide (Power!)*

Kate Ford. *Everyone's Tolkein about it: in the past few months, visual effects on the big screen have come into their own, stamping a new standard on film compositing. ... from: IBE - International Broadcast Engineer [HTML]*

Patricia Rose Duignan. *Industrial Light & Magic: Into the Digital Realm*

Ron Brinkmann. *The Art and Science of Digital Compositing (The Morgan Kaufmann Series in Computer Graphics)*

Steve Wright. *Digital Compositing for Film and Video with CDROM (Focal Press Visual Effects and Animation)*

15. **Instructor***(s)*
TBA

16. **Course Coordinator**
Prof. Charles Harpole