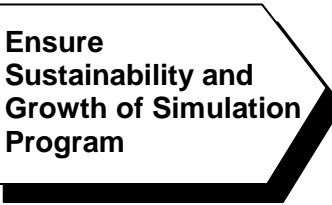
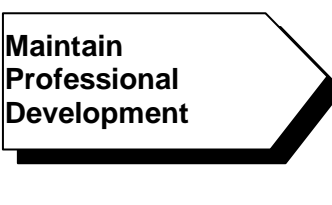


D	Conduct Simulation	D-1 Assure assembly of equipment.	D-2 Ensure proper application of props/ Moulage for SCE.	D-3 Test equipment.	D-4 Assure safety.	D-5 Review scenario with faculty.	D-6 Operate computer/ software.	D-7 Set the stage for SCE.	D-8 Support faculty in scenario implementation	D-9 Trouble-shoot problems during scenario.
		D-10 Participate as a resource during SCE.	D-11 Assess participant performance.	D-12 Modify scenario to ensure unique experience.	D-13 Provide feedback within assigned role.					
E	Conduct Post Simulation Activities	E-1 Assess and evaluate participants learning outcomes.	E-2 Gather evaluation data.	E-3 Discuss process improvement with staff.	E-4 Evaluate equipment.	E-5 Assess inventory utilization.	E-6 Assure break down and clean up of equipment and supplies.			
F	Facilitate SCE Debriefing	F-1 Provide feedback with faculty on participant's performance.	F-2 Elicit feedback from participants for SCE improvement.	F-3 Evaluate scenarios for currency to practice.	F-4 Provide performance review materials.	F-5 Provide additional teaching resources.	F-6 Evaluate simulation experience with faculty.	F-7 Recommend areas for improvement.		
G	Coordinate Community Outreach Activities	G-1 Develop and distribute marketing materials.	G-2 Create written communication tools (ie. newsletter; web site)	G-3 Collaborate marketing strategies with PR department.	G-4 Communicate simulation activity (ie. current practice, outcomes, future trends)	G-5 Promote simulation internally and externally.	G-6 Encourage multi-disciplinary utilization of simulation lab.	G-7 Participate in advisory meetings.	G-8 Participate in health fairs.	G-9 Participate in disaster medical response.
		G-10 Conduct simulation lab tours.								

H	 <p>Ensure Sustainability and Growth of Simulation Program</p>	H-1 Develop recommendations for income generating activities.	H-2 Promote simulation utilization by community partners.	H-3 Leverage donations from internal and external partners.	H-4 Participate in grant/proposal writing.	H-5 Disseminate simulation efficacy to administrators and other partners.	H-6 Maintain communication with administration regarding simulation activities.	H-7 Coordinate open session time for participants.	H-8 Provide alternative clinical experience for participants.	H-9 Utilize simulation lab for participant remediation.
I	 <p>Maintain Professional Development</p>	I-1 Maintain professional licensure/certifications.	I-2 Maintain membership in organizations that emphasize simulation.	I-3 Maintain currency in evidence-based practice.	I-4 Maintain currency with new product research and development.	I-5 Participate in simulation conferences.	I-6 Participate in networking opportunities.	I-7 Participate in faculty training.	I-8 Participate in research.	I-9 Participate in new equipment acquisition training.
		I-10 Present at simulation conferences.								

DACUM Competency Profile for

Simulation Program Coordinator

March 4-5, 2009

Produced by:

California Community College
Economic and Workforce
Development Program
Health Initiative

CALIFORNIA
Community Colleges

Regional
Health
Occupations
Resource
Centers/Health Care Initiative



DACUM PANEL MEMBERS

<p>Evangeline Fangonil-Gagalang Simulation Coordinator Chaffey College 5885 Haven Avenue Rancho Cucamonga, CA 91701 (909) 899-3731 afangonil@hotmail.com</p>	<p>Aurelie Chinn Academic Nursing Skills Specialist/Simulation Coordinator Cabrillo College 6500 Soquel Drive Aptos, CA 95003 (831) 479-6253 auchinn@cabrillo.edu</p>
<p>John Cordova Simulation Program Coordinator Mt. San Antonio College 1100 N. Grand Ave. Bldg. 37 Sim Annex Walnut, CA 91789 (562) 544-8308 jcordova@mtsac.edu</p>	<p>John Edwards Clinical Skills Laboratory Technician Torrance Memorial Medical Center 3330 Lomita Blvd. Torrance, CA 90505 (310) 257-5783 jedwards@tmmc.com</p>
<p>Diana Johnston Professor/Simulation Coordinator American River College 4700 College Oak Drive Sacramento, CA 95841 (916) 484-8070 johnstdl@arc.losrios.edu</p>	<p>Nancy Wilson Simulation Coordinator Napa Valley College 2277 Napa Vallejo Highway Napa, CA 94558 (707) 945-0323 nwilson@napavalley.edu</p>
<p>DACUM FACILITATOR Linda Zorn, RHORC Director Butte-Glenn Community College 3536 Butte Campus Dr. Oroville, CA 95965 (530) 879-9069 zornli@butte.edu</p>	

Acronyms Used

A&P- Anatomy and Physiology	I/O- Intake/Output
ABG-Arterial Blood Gas	IP- Internet Protocol
ACLS- Advanced Cardiac Life Support	IR- Infraray
ADN- Associate Degree Nursing	IS- Information Systems
A/V- Audio/Visual	IT- Information Technology
BG- Blood Glucose	IV- Intravenous
BLS- Basic Life Support	IVF- Intravenous Fluids
BP- Blood Pressure	IVP- Intravenous Push
BS- Bowel Sounds	IVPB- Intravenous Piggy Back
BSN-Bachelor of Science in Nursing	JCAHO- Joint Commission on Accreditation of Health Care Organizations
CAT 5- Category 5 (Networking cable)	LCD- Liquid Crystal Display
CD- Compact Disc	LR- Lactated Ringers
CE- Continuing Education	LS- Lung Sounds
CEU- Continuing Education Unit	LVN- Licensed Vocational Nurse
CNA- Certified Nursing Assistant	MB- Motherboard
CO- Cardiac Output	METI- Medical Education Technologies Inc.
CPR- Cardio-Pulmonary Resuscitation	MSN-Masters of Science in Nursing
CPU- Central Processing Unit	NCLEX-National Council Licensure Examination
CRT- Cathode Ray Tube (type of monitor)	NICU- Neonatal Intensive Care Unit
CV- Cardiovascular	NPO- Nothing by Mouth
CVP- Central Venous Pressure	MSDS- Material Safety Data Sheets
DMR- Disaster Medicine Recovery	NRM- Non-Rebreather Mask
DNS- Domain Name Service	NS- Normal Saline
D5W- 5% Dextrose in Water	O ₂ - Oxygen
DV- Digital Video	O ₂ Sat- Oxygen Saturation
DVD- Digital Video Disc	OB- Obstetrics
DVR- Digital Video Recorder	OR- Operating Room
DX- Diagnosis	OSHA- Occupational Safety and Health Administration
ECS- Emergency Care Simulator (METI)	P&P- Policy and Procedures
ED- Emergency Department	PC- Personal Computer
EKG/ECG- Electrocardiogram	PNCI- Program Nursing Curriculum Integration (METI)
E/MAR- Electronic/Medication Administration Record	P.O.- Purchase order
EMR- Electronic Medical Record	PO- By Mouth
EMS- Educational Management Solutions	PTZ- Pan- Zoom- Tilt
FERPA- Family Education Rights and Privacy Act	Pulse Ox- Pulse Oximetry
FTP- File Transfer Protocol	RAM- Random Access Memory
FX- Fracture	RFID- Radio Frequency Identification
GI- Gastrointestinal	RN- Registered Nurse
GU-Genitourinary	RR- Respiratory Rate
GUI- Graphical User Interface	RT- Respiratory Therapist
HD- Hard Drive	SBAR-Situation Background Assessment Recommendation
Hep-loc – Heparin Lock	STAT- Immediately
HIPAA- Health Information Portability and Accountability Act	TCP- Transport Control Protocol
HPS- Human Patient Simulator (METI)	TEMP- Temperature
HR- Heart Rate	TJC - The Joint Commission
HTTP- Hypertext Transfer Protocol	TO- Telephone orders
ICU- Intensive Care Unit	TX- Treatment
ID- Identification	
INT - Intermittent	

TX-Transferred
UO- Urine Output
USB- Universal Serial Bus

VCE- Virtual Clinical Experience
VS- Vital Signs
WLAN- Wireless Local Area Network

Worker Characteristics and Behaviors

Ability/willingness to learn	Dependable	Patience
Ability to be creative	Desire to learn	Passionate
Ability to delegate	Diplomatic	Positive attitude
Ability to problem solve	Discreet	Proactive
Ability to set boundaries	Effective communicator	Professional behavior and attire
Ability to work independently/ self directed	Empathetic	Professional respect and courtesy
Able to see whole picture	Energetic	Progressive
Accountable	Ethical	Respectful
Adaptive	Flexible	Responsible
Advocate	Fiscally responsible	Self- motivated
Analytical	High level of customer service	Sense of humor
Anticipates change	Holistic view	Team player/collaborative
Assertive	Honesty	Thorough/detailed
Committed	Innovative	Trustworthy
Compassionate	Inquisitive	Visionary
Complete task timely	Integrity	Willing to go “extra mile”
Creative	Mechanically inclined	Works well under pressure
Cultural diversity/sensitivity	Mentor	
Critical thinker	Multi-task	
	Open minded	

Future Trends/Concerns

- Accreditation of simulation center
- Additional collateral/supportive professionals and occupations (vocational)
- Automated simulation
- Budget constraints/fundraising
- Certification and accreditation (CEUs)
- Change of market share in simulation vendors
- Changing student population/culture
- Distance learning
- EMR
- Educating faculty and administrators
- Educational component – Bachelors/Masters
- Grant seeking/financial support – Internal/external/sustainability
- Incorporating multi disciplinary simulation CE
- Increase of simulation centers due to lack of clinical setting
- Increased realism
- Increased student population
- Institutionalizing position
- Interface with administration & board of trustees - our role
- Integration into programs
- Lack of qualified faculty
- Maintaining confidentiality of recordings (web-based)
- Maintain currency in equipment & supplies
- Remote simulations
- Replacement of outdated or broken equipment
- Security & safety of simulation equipment
- Training capacity (ACLS, PALS, NRP)
- Using simulation in licensure exams
- Virtual sim lab/hospital
- What is acceptable blend of simulation & clinical

Tools, Equipment, Supplies, and Materials

3- pc small pliers set	Compressed gas	Hemostats/Clamps
4- pc large pliers set	Computer(s) PC or MAC	High Fidelity Manikins
4x4 gauzes	Control Panel (gas)	Hospital supplies
8- pc screwdriver set	Cosmetic items	Immobilization boot
Locking tape measure	Multi-Drawer combo tool center	Immobilization equipment
12- pc combination wrench set	Crash cart with supplies	Incubator/infant warmer
ABD dressing	Cream based white makeup	Incentive Spirometer
Abduction Pillow	Cream of Wheat	Intubation tray
Air cleaners (HEPA filters)	CRT Monitor	Intubation tubes
Air compressor	Crutches	INT caps
Alcohol wipes	Culture swabs	Isolation cart
AMBU Bags	Patient Cup	IV arm
Ammonia	Debriefing software	IV fluids
Angiocatheter	Defibrillator	IV pole(s)
Applesauce	Denture cup	IV pumps
Audio cables	Diapers	IV saline lock
Audio leveling	Disinfectant	IV start kit
Audio mixers	Docu Camera	IV tubing
Automatic BP cuff	Doppler	Jello
A/V equipment	Dressing change cart	Kling dressing
Baby powder	Duct Tape (different colors)	KY Jelly
Backboard	DV	Labeler
Bandages	DVD	Laptops
Band-Aid	DVD Burner	Laryngoscope
Batteries	EKG Machine	Laryngoscope blades
Battery chargers	EMR	LCD monitor
Beds	Electrodes	Lenses (telephoto/wide angle/zoom)
Bedside table	Emesis basin	Light meter
Biohazard bags	Enteral pumps	Lights
Blender	Equipment cases	Linens
Blood drain kit	Fetal monitor/belts	Linen cart
Body parts	Fire wire	Manikins/Low fidelity
Buckets/pails	Flash memory stick	Medical Air
Bounce boards	Foam	Medication cart
B/P cuff/machine	Foley catheter	Media managers
Dry erase markers	Food coloring	Microphones (shotgun/omni/boom)
Cable ties	Food items	Microsoft Windows application (Word, Excel, Access, Power Point, Outlook, Visio)
Calendar/Schedules	Food props	Mini DV
Camera controllers	Frosting	Mini tool flashlight
Camcorders	Fundus kit	Monopods
Cane	Gait belts	Moulage book reference
Cardiac Monitor	Gastric tubes	Moulage cart
Chair	Gel effects	Moulage pot
Chalk	Glasses	Moulage Recipes
Chest tubes	Glucometer	MSDS sheets
Chest tube drainage system	Goof off	Nasal cannula
Chicken/animal bone parts	Goo gone	Nebulizer
Cig. Packs	Gowns	
Circuit testers	Graphic design software	
Clocks with a second hand	Gurney	
Coaxial cables	Hammer	
	Headphones	

Neck Brace
Needles
NG tubing
Non-rebreather mask
No touch suction catheter
O₂ mask
Oatmeal
Office supplies
Orange spray
OR cart
Overhead projectors
Oxygen
Paint
Pantyhose
Patient Trash bags
PCA pump
Peri-Pads
Phone (Cell or Landline)
Pillows
Pitcher
Plastic sealable bags
Plastic Bins
Pocket level
Powdered makeup
Power adapters
Power cords
Power strips
Projector screen
PTZ cameras
Puddings (all types)
Pulse Ox
Q-Tips
RCA cable
Refrigerator
Respiratory cart
Restraints
Router
Plastic wrap
SCE Clothing (Male & Female)
wigs

Saran wrap
Scissors
Self -Cling dressing
Sharps container
Signal boosters
Signal splitters
Silicon spray/lubricant
Simulated blood
Simulated charts
Simulated code drugs
Simple green
Simulated drugs
Sink
Signal/network switchers
Software for Adobe
Soldering iron
Speakers
Spinal needle
Surgical Stapler
Sterile water
Stethoscope
Still camera
Straws
Suction
Suction canister
Suction equipment
Super Glue
Syringes
Tape
Tape dubbing equipment
Tapioca pudding
Task Trainers
Transparent dressings
Telephone
Television
Textbooks
Thermometer
Tissue
Tracheostomy tubes
Tracheostomy collars

Zip ties/Velcro Ties
Toiletries
Tone generator
Tool box drawer liner pads
Toothbrush
Toothpaste
Trash Cans
Tripods
Unit software
Urinals
Urinary drainage bags
Urinary catheters
USB
Utility cart
Utility knife and blades
Ventilator
Venti mask
Video cables
Video capture/edit/print
Software
Video compressors
Video monitors
Video projectors
Video servers
Vinegar
Vital machine
Voltmeter
Wall peg units
Water-based markers
Water Pitcher
WD-40
Wheel chair
White board
Wigs
Wire strippers
WLAN
XLR
Yankauer oral suction wand
Y-cables

General Knowledge and Skills

- Adherence to compliance guidelines
- Anatomy and Physiology
- Audio Visual
 - Editing
 - Hardware knowledge
 - Processing (deletion)
 - Recording video
- Advanced clerical skills
- Advanced familiarity with electromechanical and pneumatic functions of equipment and devices
- Advanced reading and comprehension
- Advanced familiarity with mechanical/electrical repairs
- Budgeting/Accounting
- Building scenarios
- Campus and department policies
- Clinical practice
- Communication skills
 - Written
 - Technical
 - Telephone
 - Verbal
 - E-mail
- Computer and A/V troubleshooting
- Computer security
- Computer skills
 - CompTIA (Computing Technology Industry Association)-certification not required
 - Debriefing software
 - Hardware
 - InfoCom (audiovisual industry organization)-certification not required
 - Computer networking
 - Internet for research
 - MAC and PC
 - Microsoft Office suites
 - Simulator software
 - Software
 - Troubleshooting
 - Video capture/editing software
- Confidentiality
- Conflict Management
- Creating implementation plans
- Critical thinking
- Cultural sensitivity for diverse population
- Customer service
- Data collection/evaluation/reports
- Decision making
- Delegation skills
- Developing Policies
- Develop training modules
- DMR local/state plans
- EBP/research
- Electrical and mechanical knowledge
 - Aspect rationing
 - Audio leveling
 - Color balancing
 - Light balancing
 - Video burning
 - Video converting and compression
 - Video dubbing/transferring
- Equipment/supply
- Facilities maintenance
- Fund development/sustainability plans
- General lab safety
- Group dynamics
- HIPPA guidelines enforced
- Hiring practices/legalities
- Healthcare work experience
- Interpersonal skills
- Job description/develop
- Leadership skills
- Learning outcomes
- Learn programming environment
- Inventory management
- Knowledge of bit rates
- Knowledge of FERPA
- Knowledge of Hazardous Waste/MSDS
- Knowledge of OSHA
- Knowledge of wireless networking
- Knowledge of medical terminology and abbreviations
- Knowledge of regulatory guideline (ie. Core measures, patient safety goals & MSDS)
- Marketing/Presentation
- Moulage
- Networking skills with campus and off-campus resources
- Networking skills with students, faculty, and staff
- Organizational skills
- Problem solving
- Product research

- Professional development
- Professional organizations to join/credentialed
- Quality Improvement

- Task prioritization
- Time management
- Web design knowledge and skills