V i r g i n i a   C o m m o n w e a l t h   U n i v e r s i t y

Inova Educational Programs Update

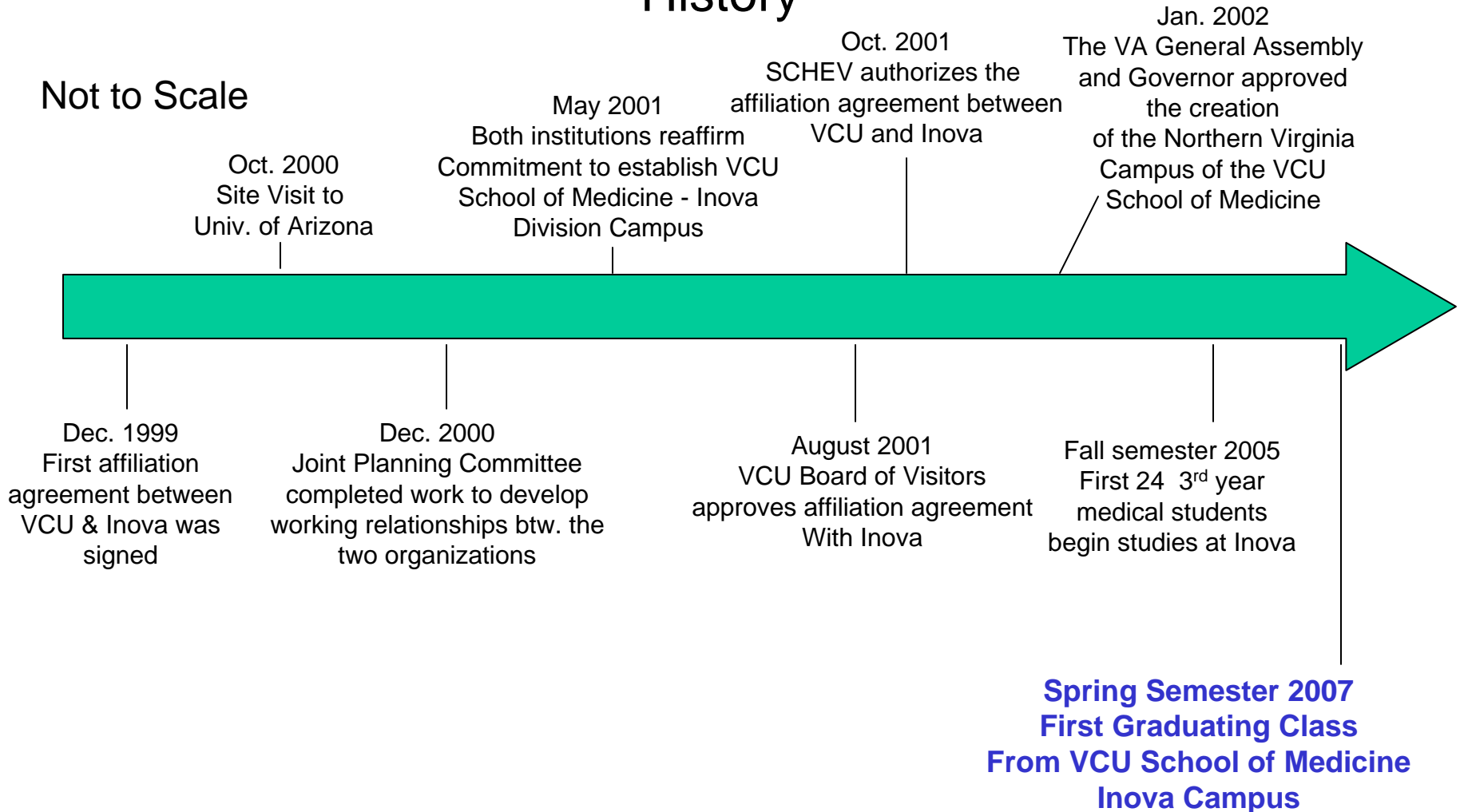Student Affairs Committee
VCU Board of Visitors
May 17, 2007

Dr. David C. Sarrett
Associate Vice President for Health Sciences

VCU School of Medicine - Inova Division Campus

History

Not to Scale

Oct. 2000
Site Visit to
Univ. of Arizona

May 2001
Both institutions reaffirm
Commitment to establish VCU
School of Medicine - Inova
Division Campus

Oct. 2001
SCHEV authorizes the
affiliation agreement between
VCU and Inova

Jan. 2002
The VA General Assembly
and Governor approved
the creation
of the Northern Virginia
Campus of the VCU
School of Medicine

Dec. 1999
First affiliation
agreement between
VCU & Inova was
signed

Dec. 2000
Joint Planning Committee
completed work to develop
working relationships btw. the
two organizations

August 2001
VCU Board of Visitors
approves affiliation agreement
With Inova

Fall semester 2005
First 24 3rd year
medical students
begin studies at Inova

Spring Semester 2007
First Graduating Class
From VCU School of Medicine
Inova Campus

Current Program Details

- ### Dr. Russ Seneca, Associate Dean for Medical Education

- ### Dr. Craig Cheifetz, Assistant Dean for Medical Education

- ### Students

  - 24 Rising M-4 Students (Class of 2008)
  - 24 Rising M-3 Students (Class of 2009) start Fall 2007
  - 24 M-4 Students graduating Spring Semester 2007

Current Program Details

- # FY2006 operating budget = $1.7M

  - VCU expense paid under the Oct. 2004 affiliation agreement contract for educational services to Inova. This was a one-year contract with five one-year renewal options
  - Inova is providing the space for the medical students at no cost, although Inova has indicated they will charge VCU for space ultimately (timing uncertain).

Student Selection Process

- Students make selection as part of application process: Richmond, Inova, or either

- Admissions committee is blinded to student's choice of locations

- Student has option to change choice once matriculated

- Student choice typically driven by geography and family issues

Class of 2007

- The Inova cohort has more females than males

	Inova	Richmond
Female	14 (58%)	70 (47%)
Male	10 (42%)	78 (53%)

Class of 2007

- The Inova cohort is more diverse

Ethnicity	Inova	Richmond
White	8 (33%)	96 (65%)
Black	4 (17%)	7 (5%)
Indian/ Pakistani	5 (21%)	25 (17%)
Asian	4 (17%)	12 (8%)
Other	3 (12%)	8 (5%)

VCU

Class of 2007

- The Richmond students performed slightly better on MCAT Total Score (p=0.02)
  - Inova 27.0
  - Richmond 28.6
- Performance was better on two of four courses selected for comparison (Inova vs. Richmond)
  - Anatomy 80.1 vs. 84.4 (p=0.006)
  - Physiology 82.5 vs. 84.9 (p=0.179)
  - Endocrinology 85.4 vs. 86.4 (p=0.595)
  - Respiratory 82.9 vs. 88.1 (p=0.003)
  - These course were selected because they have traditionally been difficult courses based upon content, volume, and grading.

Class of 2007

- Inova students had slightly lower USMLE average scores on Step 1 and Step 2
- For both cohorts, Step 2 (Clinical) scores improved

	Inova	**Richmond**
Step 1 *National ave. 217*	207	219
Step 2 *National ave. 221*	216	230

Class of 2007

- National Board of Medical Examiners Shelf Exam Scores

CLERKSHIP	Inova	RICHMOND
INTERNAL MED	72.9	77.3
NEUROLOGY	69.5	72.1
OB/GYN	72.8	74.0
PEDIATRICS	72.0	75.5
PSYCHIATRY	75.6	77.7
SURGERY	66.7	71.1

Post Graduate Residency Matches

ANESTHESIOLOGY	4
DIAGNOSTIC RADIOLOGY	2
FAMILY MEDICINE	1
INTERNAL MEDICINE	4
NEUROLOGY	1
NEUROSURGERY	1
OB/GYN	4
ORTHOPEDICS	1
PEDIATRICS	1
PRELIM MEDICINE	1
PRELIM SURGERY	2
GENERAL SURGERY	1
MPH POST GRAD	1

Post Graduate Residency Matches

- # Richmond cohort
  - 92 students matched in Virginia programs (64%)
  - 52 students out-of-state programs (36%)

- # Inova cohort
  - Virginia (1-VCU) 4.1% ⎫
  - DC Area (7) 29.2% ⎬ 33% in Va./DC area
  - Northeast (7) 29.2%
  - Southeast (2) 8.4%
  - Midwest (1) 4.1%
  - South (3) 12.5%
  - West (3) 12.5%

Post Graduate Residency Matches

- Residency choices (self reported by students)

	Inova	RICHMOND
FIRST CHOICE	53%	56%
SECOND CHOICE	15%	19%
THIRD CHOICE	15%	6%

VCU School of Medicine - Inova Division Campus

Student Feedback

"Excellent teaching, excellent residents, great patient load"
   - comment about the Psychiatry clerkship

"They allowed me to work on my own and experience intern life (meaning working like an intern?) Best teaching."
  - comment about the OB/GYN clerkship

"The Internal Medicine clerkship was the best as it was well organized, included phenomenal teaching, and prepared me well for board exams. Strong faculty and teaching. Great faculty / teaching / residents. Great teachers with a good range of pathology"
   -comment about the Internal Medicine clerkship

Issues

- How to maintain a strong pool of applicants

- How to maintain a comparable educational experience

- How to maintain comparable student services

VCU School of Pharmacy - Northern Virginia Pharmacy Division

Program Description

- Inova Fairfax Hospital will provide the VCU School of Pharmacy with the space currently occupied by the VCU School of Medicine
- Pharmacy Students in the Northern Virginia Pharmacy Division
  - 20 P-3 students (third year) - planned start, Fall 2007
  - 20 P-4 students (fourth year) - planned start, end of May 2008
- Advanced Practice experiences (e.g. clerkships) in the Inova System
  - Four 5-week Rotations = 80 total rotations (4 per student, 20 students)
  - At least half to be completed at Inova Fairfax Hospital, remainder will be at other clinical sites in Northern Virginia
- Didactic for P-3 students (Fall 2007)
  - Required courses - taught by distance education by faculty in Richmond
  - Elective courses - taught by distance education or by selected faculty on the Inova campus
  - Introductory practice experiences - taught by selected faculty on the Inova campus

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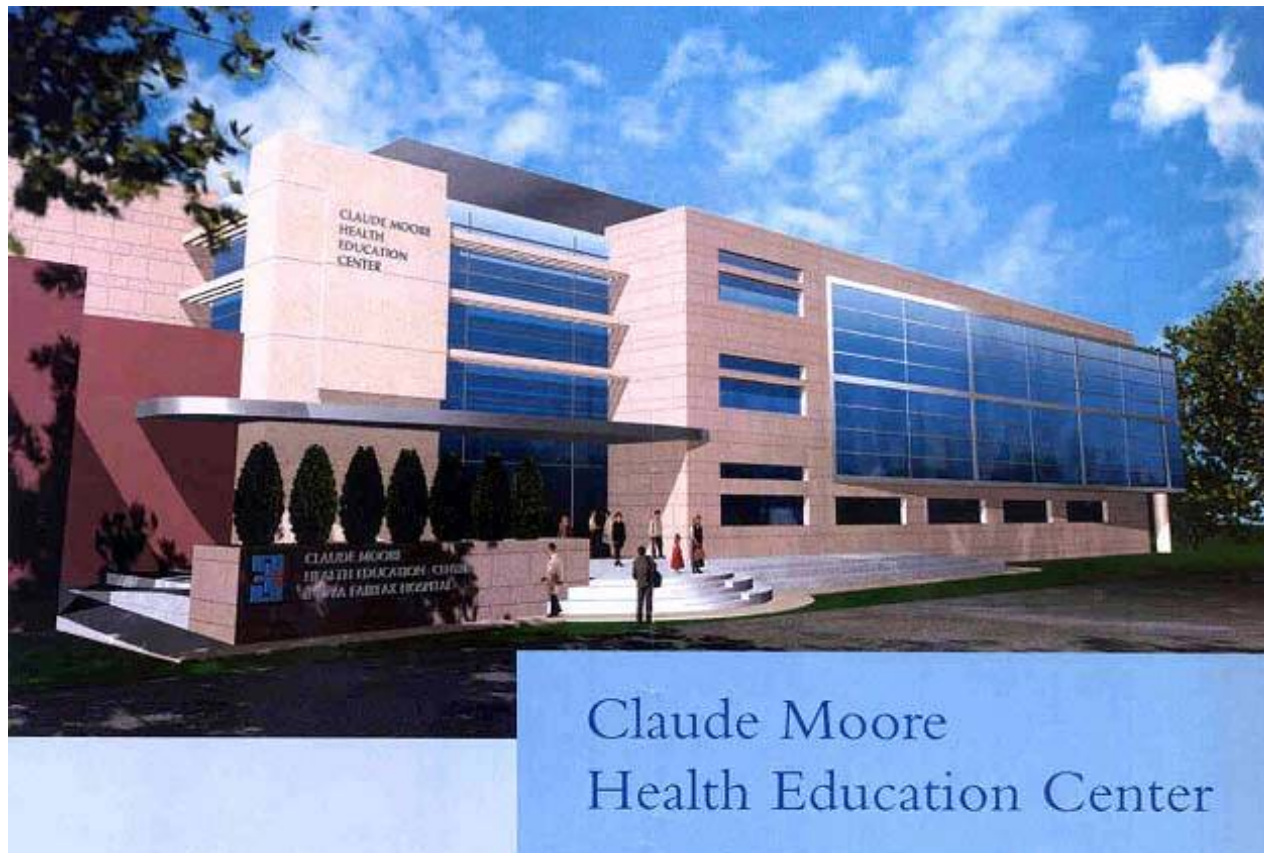# VCU School of Pharmacy - Northern Virginia Pharmacy Division

Faculty, Personnel & Financial Requirements

- Faculty
  - Assistant Dean – Dr. Michael Clarke.
  - 1.0 clinical faculty position in adult internal medicine or other clinical specialty area, co-funded by VCU and Inova
- VCU Staff
  - 1.0 Administrative Assistant
  - 1.0 Technical Support Staff
- Inova Pharmacy Staff
  - VCU to reimburse Inova up to $40,000/year for clinical teaching
  - Administrative supplement to Director of Pharmacy Services - $10,000
- Total VCU Investment - $582,250 per year

Inova Campus - Claude Moore Health Education Center

Delays in construction pose issues for VCU School of Pharmacy Program;
However adequate temporary arrangements have been made.

VCU School of Allied Health
Northern Virginia Division

Currently, no students from Allied Health are placed in clinical rotations at Inova facilities

- Occupational Therapy - Could place 4-5 students at Inova hospitals
- Physical Therapy - Could place as many as 10 students at Inova hospitals
- Nurse Anesthesia - Could place 2 students at Inova hospitals
- Radiation Sciences - Could place 3-5 students at Inova hospitals
- Clinical Lab Sciences - placement of students could occur and discussions are underway.
- Hospital Administration - has placed residents at Inova Potomac in the past, and continue to seek to place students at Inova facilities
- Gerontology, Patient Counseling, and Rehab Counseling - no plans to place students

VCU School of Social Work
Northern Virginia Division

The VCU School of Social Work, Masters of Social Work (M.S.W.) program has 98 students assigned to field practicum Sites - Four students are placed in Inova settings.

One student in each of the following locations:

- Inova Mount Vernon Hospital - Alexandria, VA

- Inova Loudon Hospital - Leesburg, VA

- Inova Juniper Program - Springfield, VA

- Inova Regional Trauma Center - Falls Church, VA

Issue: recent change in legal position by Inova concerning background checks for students

- Students were checked as employees by Inova Human Resources, paid for by VCU or student.

- Recent changes have made the requirements more stringent.

- VCU must certify complete background checks have been performed and evaluate the results

- Most other facilities do not require this – student pay for background check at the facility and the facility evaluates the results

Inova required background check

2.10 At Institution's/Student's expense, Institution shall engage an independent background investigation organization to perform a federal and all-state criminal background check on each Student. The investigation shall include, but in Inova's sole discretion may not be limited to, the following reports: criminal history, verification of Social Security number, and Positive Identification National Locator/OIG check. Institution shall ensure that any Student, who (i) has been convicted of a felony or of crime(s) involving theft, drug offenses or physical harm to another, or (ii) is an excluded individual under the OIG's exclusion program, is prohibited from participating in a Clinical/Occupational Experience at an Inova Facility. Inova reserves the right to reject results generated by a criminal background investigation organization that, in Inova's opinion, is inadequate and/or irreputable.

VCU