

Getting Started as a Medical Teacher in Times of Change

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Objectives

- Describe some factors influencing the need to efficiently and effectively train novice medical teachers
- Discuss useful resources and tools for faculty to develop teaching skills
- Outline specific steps and strategies that faculty can take to prepare themselves to be better teachers



Some Factors Influencing Change





Accreditation Council for Graduate Medical Education





The Paradox of the Profession







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Go Teach!



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Upon Receiving First Teaching Assignment

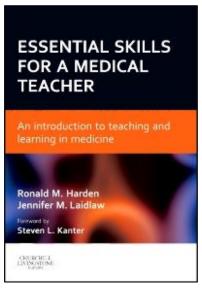
- Where to go for help?
- How and when does the preparation begin?
- How to gain knowledge & skills to perform at expected level?
- How can teacher training be maximized for the individual?

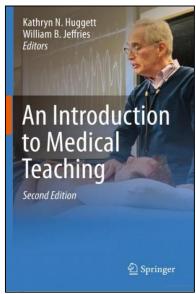


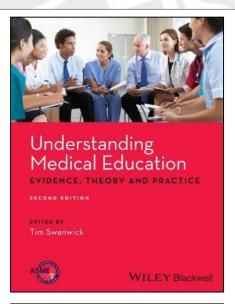
RUTGERS

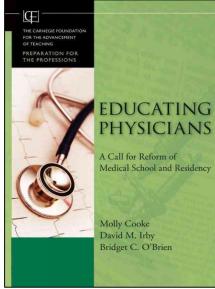
R e s o u r c e

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RUTGERS

New Jersey Medical School

Welcome from Faculty Development at NJMS

Whether you are new to teaching or just new to teaching at New Jersey Medical School, we would like to help you get off to a great start. This pamphlet has been put together to help you begin your career here as a Medical Educator.

Even during these times of change in medical education, practical suggestions such as these are staples in designing and delivering quality education. Using these tips will help you teach in an efficient and effective manner thus saving you time and effort. These tips are brief excerpts from a more indepth guide. If you would like more information on any of these topics, please contact: Richard Feinberg, PhD, Assistant Dean for Basic Science Education and Faculty Development.

Set up an appointment or stop by the Office of Education for assistance at any time in the Medical Science Building C642.

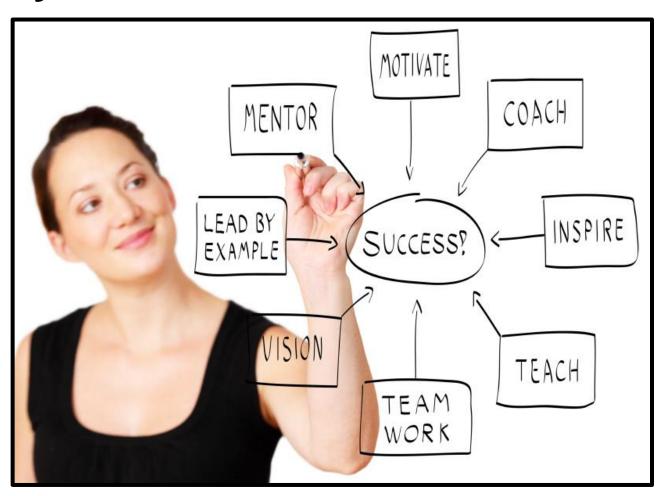


A Checklist of Topics to be Covered

- ☐ Identify a mentor
- ☐ School wide goals & objectives
- ☐ Institution's teaching resources
- ☐ A pedagogy that fits the learner & you
- ☐ Become engaged in the course
- ☐ Structuring the presentation
- ☐ Plan for and practice teaching
- □ Providing and receiving feedback
- **☐** Summarize and synthesize
- ☐ Have a professional development plan

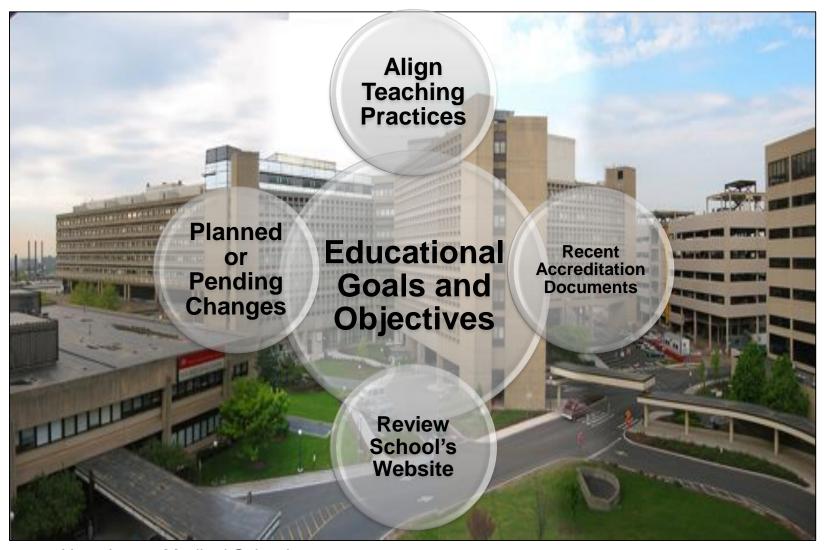


Identify a Mentor





Educational Goals and Objectives of the School



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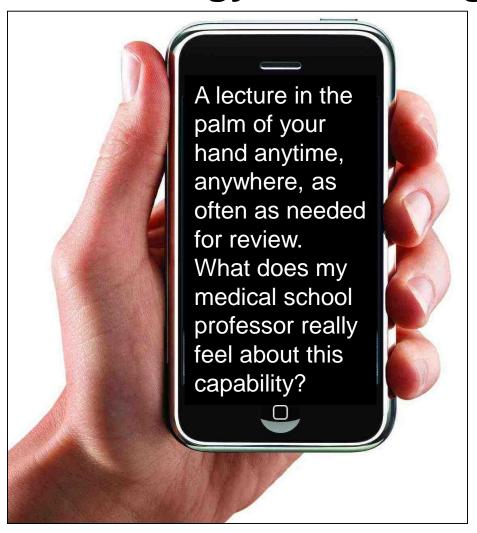


Learn About the Institution's Teaching Resources





Educational Technology - Recording Lectures





Educational Technology – Audience Response System

Polling Devices:





Surveys
Questions
Quizzes
Voting
Reviews



Medical School Teaching Venues/Pedagogy

Lectures



Laboratories



Small Groups



Online/Podcasts



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Bedside Learning

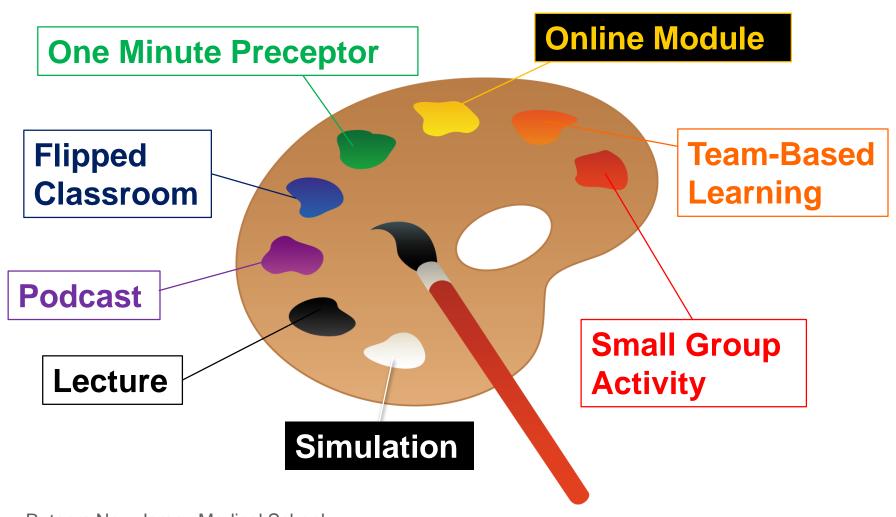


Mentoring/Feedback





Select a Pedagogy That Fits the Learner and You



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Multimodal Marketplace

An opportunity to sample different styles of teaching that may be worth looking at for your course / clerkship





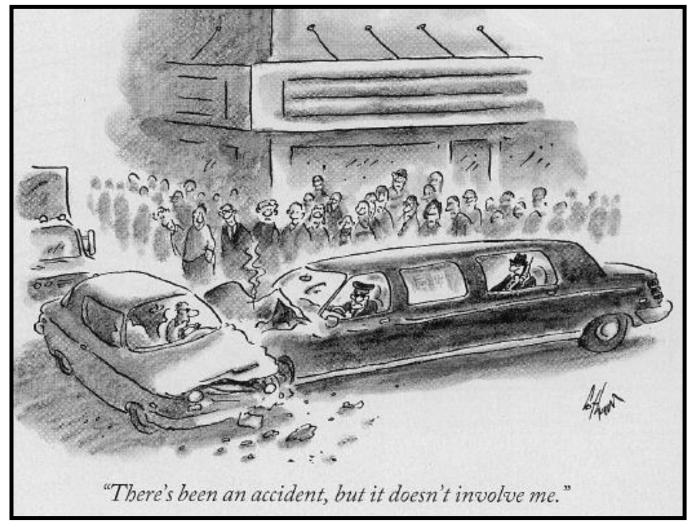




What types of pedagogy and/or technology have you employed in your teaching?



Get Involved...



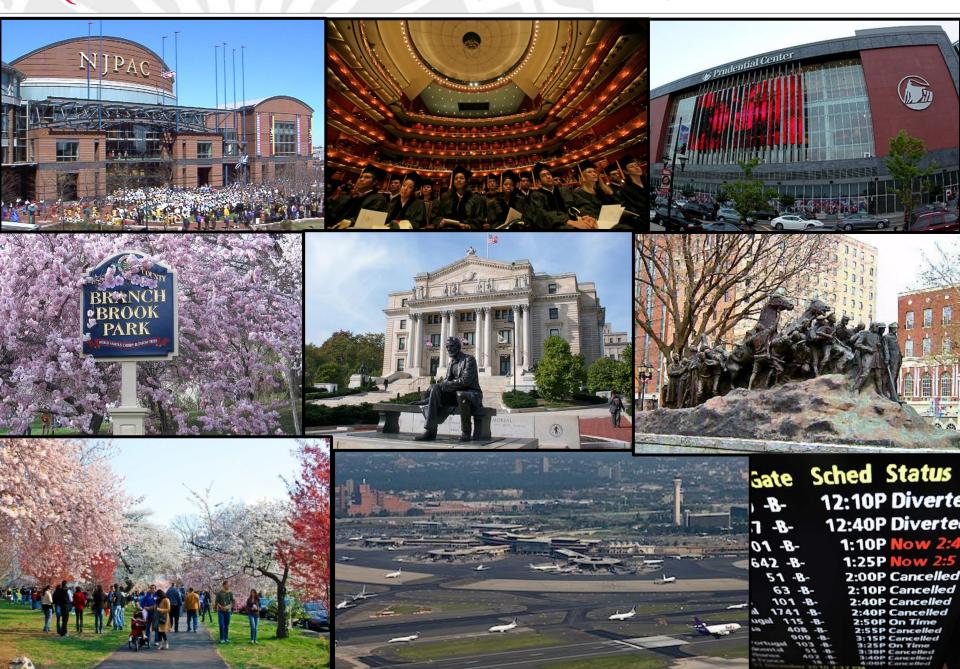


A New Jersey Rest Stop



RUTGERS

A Quick Journey Through Newark, New Jersey





Where Are We Heading?



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Structuring the Presentation

Tell your own story
Use objectives
Beginning, middle and end
Select quality images
Summarize



Don't Get Tied Up in the Details







Overview of Lecture Template

Introduction/Objectives

Title/ Name/ Date



Begin with a Visually Stimulating Image

Objectives

Upon completion of this lecture, you should be able to:

- 1. Define...
- 2. Describe...
- 3. Analyze...
- 4. Evaluate...

Purpose

- Why is this important to your medical education.
- Integration/linkages with other curricular content
- Historical context/ Lifelong learning

Core Concepts

Core Concepts

Content must align with the objectives

Focus content based on the objectives and difficult concepts that require elaboration

Details



Provide analogies & examples to explain difficult concepts – e.g., fibroblast exports precursors that are assembled outside the cell into a large structure

Interaction/Activity

 Use 1 or 2 short engaging learner-centered interactions to reinforce difficult concepts (think-pair-share, games, and videos)

Summary

Summary

Summarize core concepts
Revisit the objectives
Allow time to review difficult
concepts

Review

- Audience Response System can help to identify gaps in knowledge and create teachable moments
- Problem solving
- Board Review Questions



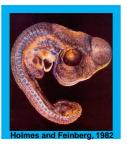
Upcoming Topics/ Resources

- Linkage to upcoming content for horizontal and vertical integration
- Provide References and supplemental resources



Introduction and Objectives

Title/Name/Date



Begin with a visually stimulating image

Objectives

Upon completion of this lecture, you should be able to:

- 1. Define...
- 2. Describe...
- 3. Analyze...
- 4. Evaluate...

Purpose

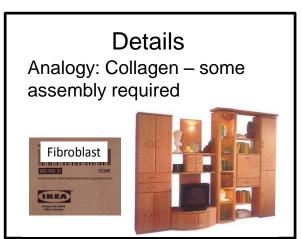
- Why is this important
- Integration within curriculum
- Historical context lifelong learning



Core Concepts

Core Concepts

Focus content on the objectives and difficult concepts that require elaboration



Interaction/Activity

Use one or two short engaging learner-centered interactions to reinforce difficult concepts (thinkpair-share, videos, ARS)



Summary

Summary

- Summarize core concepts
- Revisit the objectives
- Review difficult concepts

Review

- Use ARS to identify gaps in knowledge – create teachable moments
- Problem solving
- Board review questions

Upcoming Topics

- Provide linkage to upcoming content for integration
- Provide references and supplemental resources



Focus content using objectives

- Organizing structure for the session
- The instructional modality
- Assessment criteria

 (align content with exams)
- Use active verbs (Define, Describe, Apply, etc.)





Words to Avoid

- Know
- Learn
- Increase
- Become
- Understand
- Appreciate
- Improve



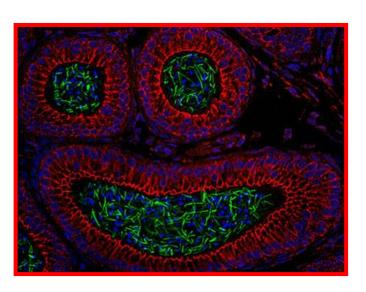


Use PowerPoint presentations effectively

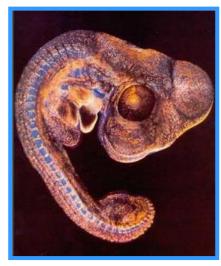
- Don't read your slides
- Choose a legible font and size
- Bullets rather than sentences
- Use animation judiciously
- Keep it simple
- Choose a solid background



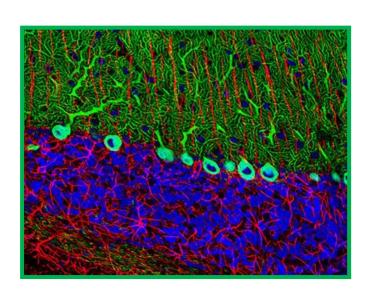
Select Stimulating Images to Illustrate the Topic



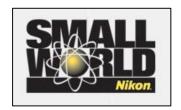
Patrick D. Taulman



G. Holmes and R. Feinberg



Thomas J. Deerinck





Bullets go Ballistic

Title	Title • •	Title • •	Title
Title • •	Title	Title	Title • •
Title • •	Title • •	Title • •	Title • •

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Leaving an Impact



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Have a Plan for Presenting

Lecture Checklist

- 1. Know your audience
- 2. Fit content to timeframe
- 3. Select a manageable number of objectives
- 4. Organize the content
- 5. Tell a story Introduce, develop and summarize
- 6. Choose appropriate images to illustrate the topic



Have a Plan for Facilitating a Small Group



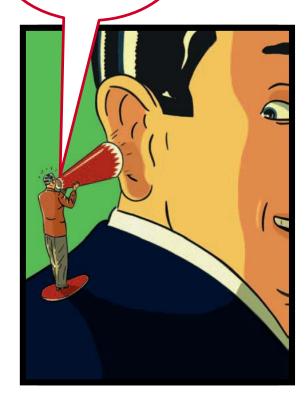
- Listen, moderate, question, stimulate and debrief
- Set the expectations for the goals of the session
- Active learning through student engagement and group discussion – You are the guide
- Provide feedback to individuals and the group



Providing Feedback

I am giving you this because I want you to be the best









Receiving Feedback



From students

Analyze the scores

Read the comments

From peers

Course directors

Mentors

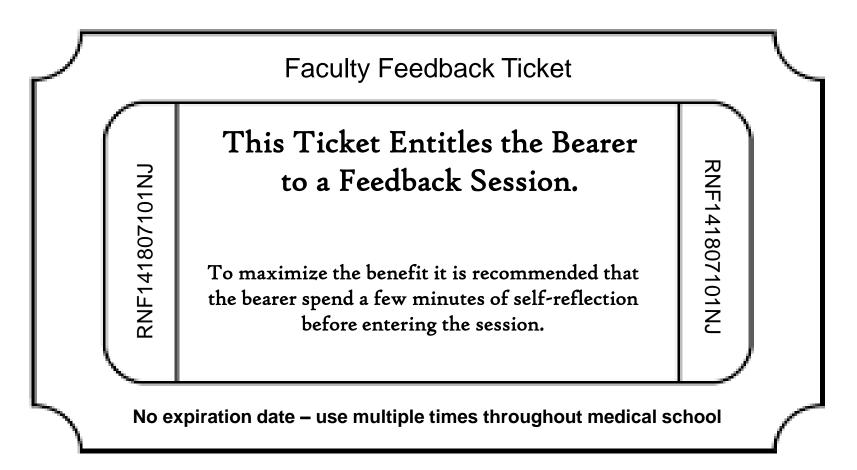
Administrators

Draw up a plan for improvement





Introduced Fall of 2013 for Class of 2017





Added Fall 2014 for Class of 2018

Obtain tinee sign	atures over the academi
Dept	Date
Signature	
Dept	Date
Signature	
Dept	Date
Signature	



Take Home Message for Students

Provide closure for the session

Brief synopsis of the core concepts

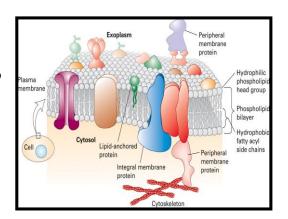
Link content to the course/ curriculum

Ask questions – use ARS

Provide additional resources



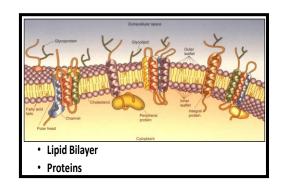
Molecular Architecture of Biomembranes

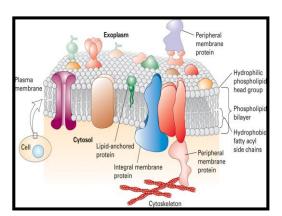




Molecular Architecture of Biomembranes

Fluid-Mosaic Model

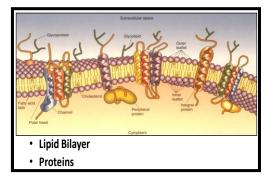


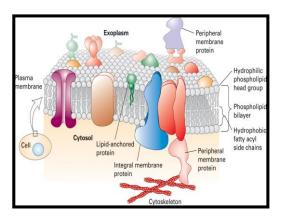




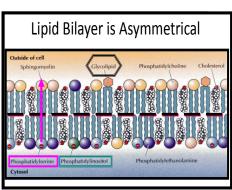
Molecular Architecture of Biomembranes

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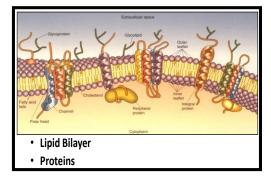
Asymmetry

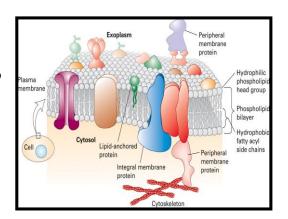




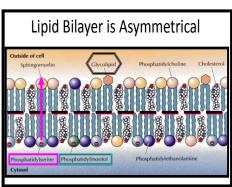
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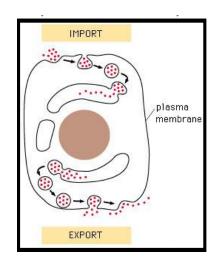




Asymmetry

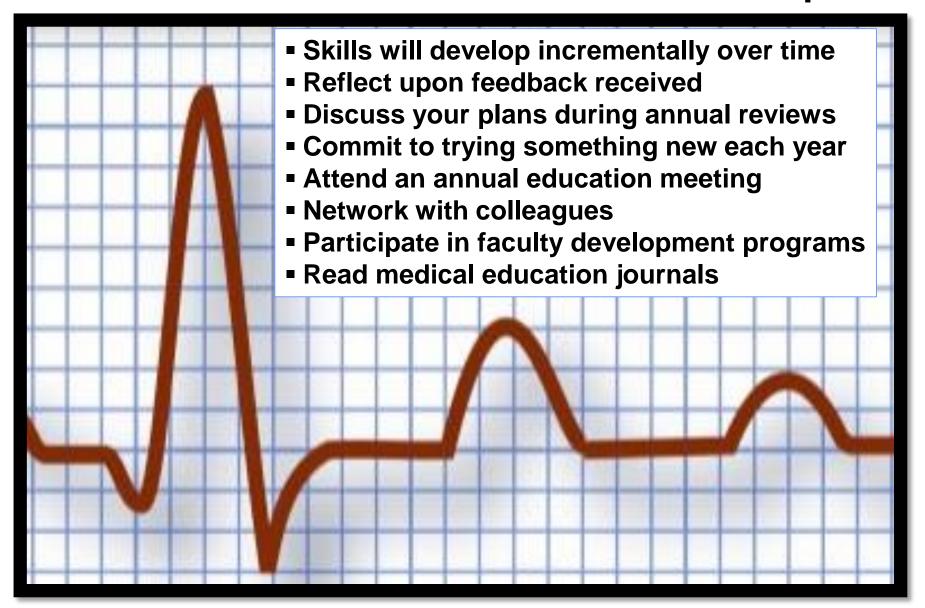


Exocytosis and Endocytosis





Create and Monitor Your Professional Development





Get Started Early - Drive Yourself to be Successful



Identify a mentor
School wide goals & objectives
Institution's teaching resources
A pedagogy that fits the learner & you
Become engaged in the course
Structuring the presentation
Plan for and practice teaching
Providing and receiving feedback
Summarize and synthesize
Have a professional development plan



Write down three things that you would do right away.

Where would you go for guidance?

Questions?



References

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