



Dr. Shahram Yazdani

Enter



Scholarship of Teaching and Learning: Basic Concepts

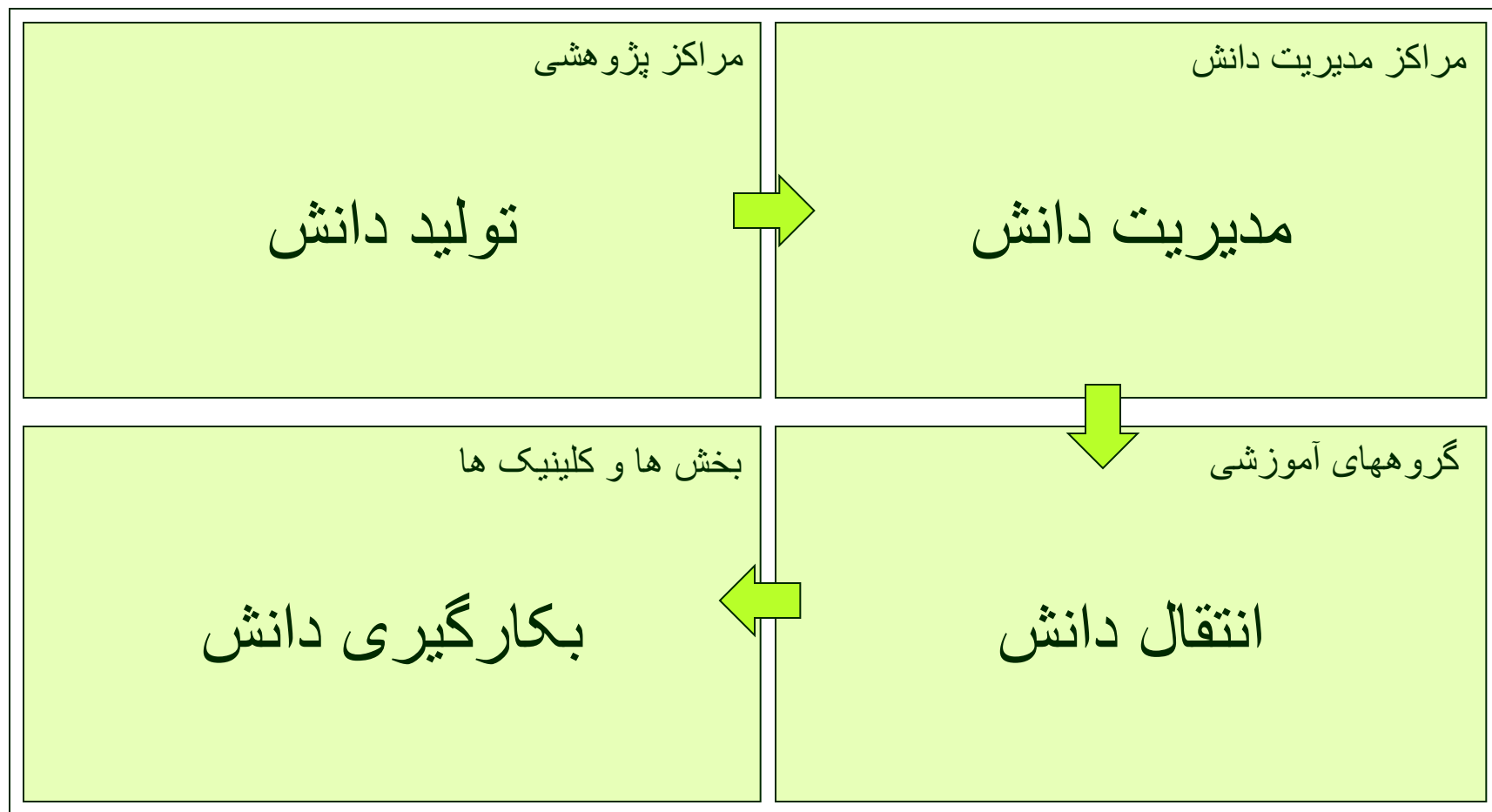
دانشگاه ها به عنوان نهادهای دانشی

❖ دانشگاه های نهادهای دانشی هستند که در آنها فعالیتهای دانشی (تولید، مدیریت، انتقال، و بکارگیری دانش) در حوزه های مختلف علمی صورت می گیرد.

اعضای هیات علمی به عنوان فعالان عرصه دانش

❖ **اعضاء هیات علمی دانشگاه ها افرادی هستند که به عنوان فعالان عرصه دانش، "بطور متناسب" به ارایه فعالیتهای چهارگانه دانشی (تولید، مدیریت، انتقال، و بکارگیری دانش) می پردازند.**

توسعه نهادی در دانشگاه ها

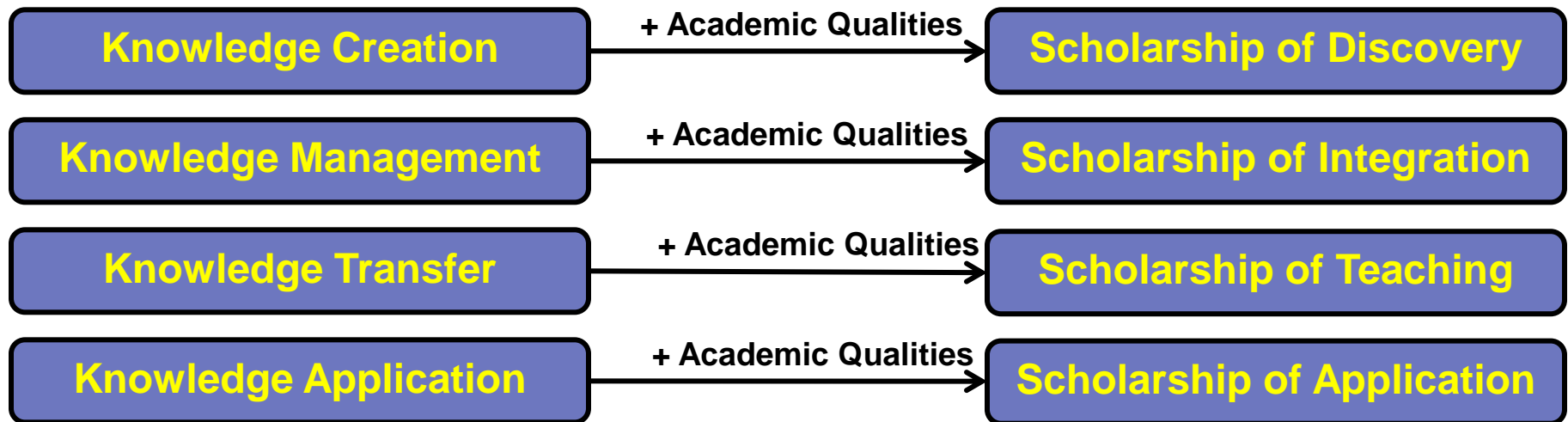


مطالعات بنیاد کارنگی

- ❖ مطالعات بنیاد کارنگی بین سال های 1969 و 1989 نشان داد که در این فاصله زمانی در تمام انواع موسسات آموزش عالی، نشر مقالات علمی به عنوان ملاک ارتقاء علمی و استخدام رسمی اعضای هیات علمی اهمیت فزاینده ای پیدا کرده است.
- ❖ بر اساس این مطالعات، دانشگاه ها اعضای هیات علمی را به عنوان مدرس استخدام می کنند ولی به عنوان پژوهشگر ارزیابی می کنند.
- ❖ این مطالعات نشان داد که توجه روزافزون دانشگاه ها به پژوهش و انتشار مقالات به واسطه کیفیت هایی است که در فعالیت های پژوهشی مستتر می باشد (به عنوان مثال هدفمند، نظاممند، روشمند، نتیجه گرا، مستند، نقدپذیر، و تعاملی بودن در فرایند پژوهش و نشر نتایج آن).

Scholarship Reconsidered

❖ ارنست بویر در سال 1990 در کتاب تاثیرگذار خود دانشگاه ها را عرصه فعالیت های دانشی "**واجد کیفیت های پذیرفته شده آکادمیک**" می داند.



❖ به بیان دیگر فعالیت های دانشی تنها هنگامی که واجد کیفیت های پذیرفته شده آکادمیک (هدفمند، نظاممند، روشمند، نتیجه گرا، مستند، نقدپذیر، و تعاملی) باشند برارنده دانشگاه و شایسته اطلاق عنوان دانش پژوهی هستند.

Scholarship Reconsidered

Knowledge Creation

- ❖ Traditional Mode of Curiosity Based Research

+ Academic Qualities

Scholarship of Discovery

- ❖ Systematic Research with Reliable and Valid (conclusion validity, internal validity, construct validity and external validity) results

Scholarship Reconsidered

Knowledge Management

- ❖ Textbooks
- ❖ Review papers
- ❖ Web sites that integrate knowledge.

+ Academic Qualities

Scholarship of Integration

- ❖ Systematic Reviews
- ❖ Meta-analyses
- ❖ Decision Analyses
- ❖ Clinical Practice Guidelines
- ❖ Economic Evaluations
- ❖ Health Technology Assessments

Scholarship Reconsidered

Knowledge Transfer

- ❖ Endeavors for improvement in quantity and quality of learning

+ Academic Qualities

Scholarship of Teaching

- ❖ Systematic and evidence based initiatives and change projects based on formal needs assessments and with evaluations to assure improved outcomes

Scholarship Reconsidered

Knowledge Application

+ Academic Qualities

Scholarship of Application

- ❖ Clinical Services
- ❖ Public Health Services
- ❖ Administration
- ❖ Policymaking

- ❖ Evidence Based Clinical Practice
- ❖ Evidence Based Public Health
- ❖ Evidence Based Administration
- ❖ Evidence Based Policy Making

Boyer's next breakthrough (1996)



❖ 1990 Four scholarships:

- **Discovery** -new knowledge
- **Integration** -connecting with other perspectives or contexts
- **Application** -using knowledge to help solve practical problems
- **Dissemination** -'sharing knowledge'

❖ 1996 Fifth scholarship:

- **Community Engagement**

Differentiating SOTL from other Types of Scholarship

LOGO

✗ Writing a Text Book (SOI)

Differentiating SOTL from other Types of Scholarship

LOGO

- ✗ Writing a Text Book (SOI)
- ✓ Writing a Study Book (SOTL)

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- ✗ Using a New Surgical Method in The Operating Room of An Educational Hospital (SOA)

Differentiating SOTL from other Types of Scholarship

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- ✗ Writing a Text Book (SOI)
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- ✗ Using a New Surgical Method in The Operating Room of An Educational Hospital (SOA)
- ✓ Using a New Technique of Demonstrating Surgical Operations for Medical Students (SOTL)

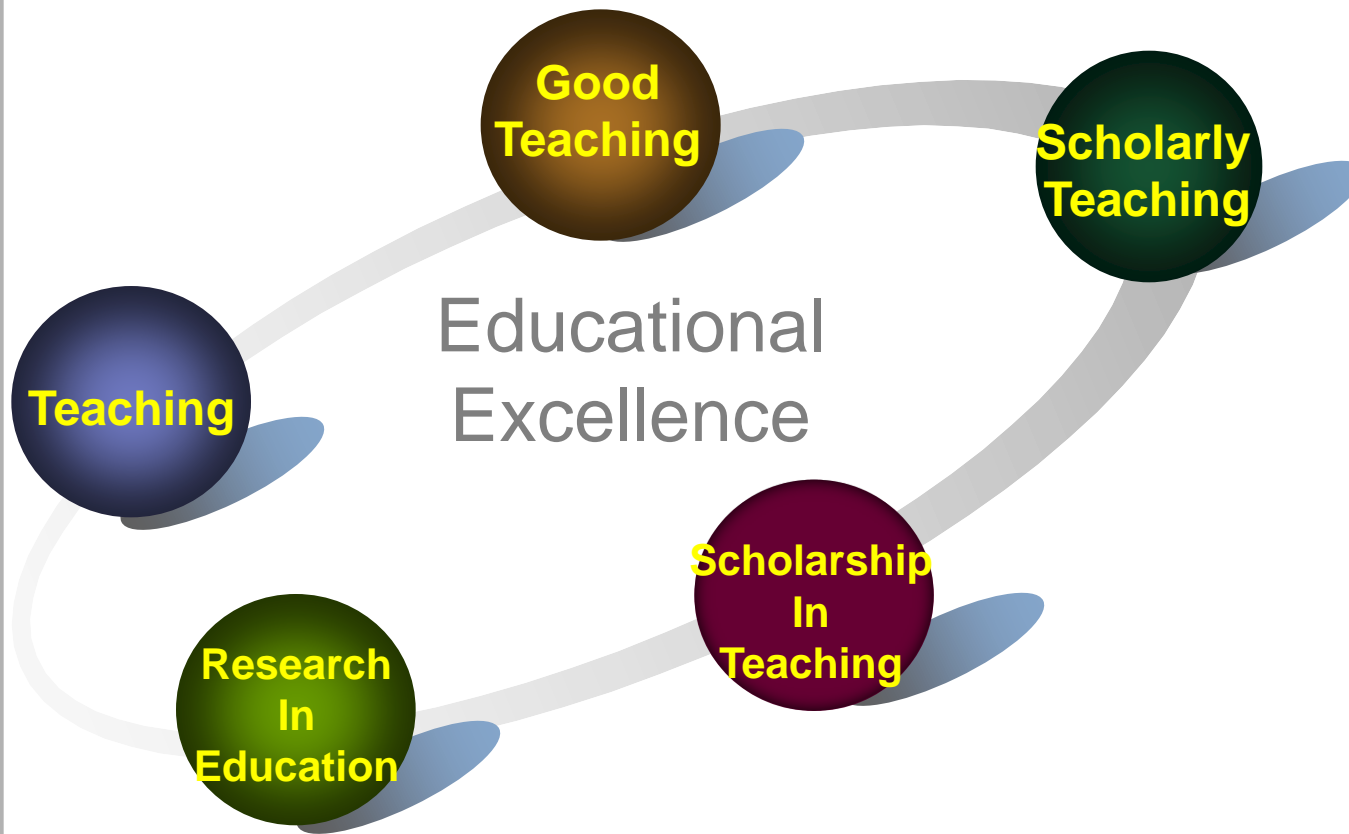
Categories of Scholarship in Medical Education

LOGO

❖ **Scholarship of Education**

- Curriculum development
- Teaching
- Assessment of Learner Performance
- Advising/mentoring
- Ed. leadership/administration

Educational Excellence



Teaching, Scholarly Teaching & Scholarship in Teaching



- ❖ **Teaching** and **Scholarly Teaching** directly affects student learning.
- ❖ In contrast, the **Scholarship of Teaching** goes beyond impacting the learner and has the potential to impact the field.

Teaching, Scholarly Teaching & Scholarship in Teaching



❖ *Scholarly teaching* involves an understanding of current principles of teaching and learning and the application of these principles to one's practice

i.e., Goal of “Engagement” = to understand ‘best practices’

Scholarship of Teaching

LOGO

- ❖ *Scholarship of teaching* requires a “product” that is presented on a platform that can be peer reviewed for quality and publicly disseminated for others to learn from or build upon, i.e., move the field of education forward.

i.e., Goal of “Engagement” = to build shared platform

Differentiating SAT from SOTL



- ✗ Replicating the Best Practice in Pathology Education (SAT)

Differentiating SAT from SOTL



- ✗ Replicating the Best Practice in Pathology Education (SAT)
- ✗ Performing UME Educational Reform in SBUMS Based on Current Best Evidences (SAT)

Differentiating SAT from SOTL



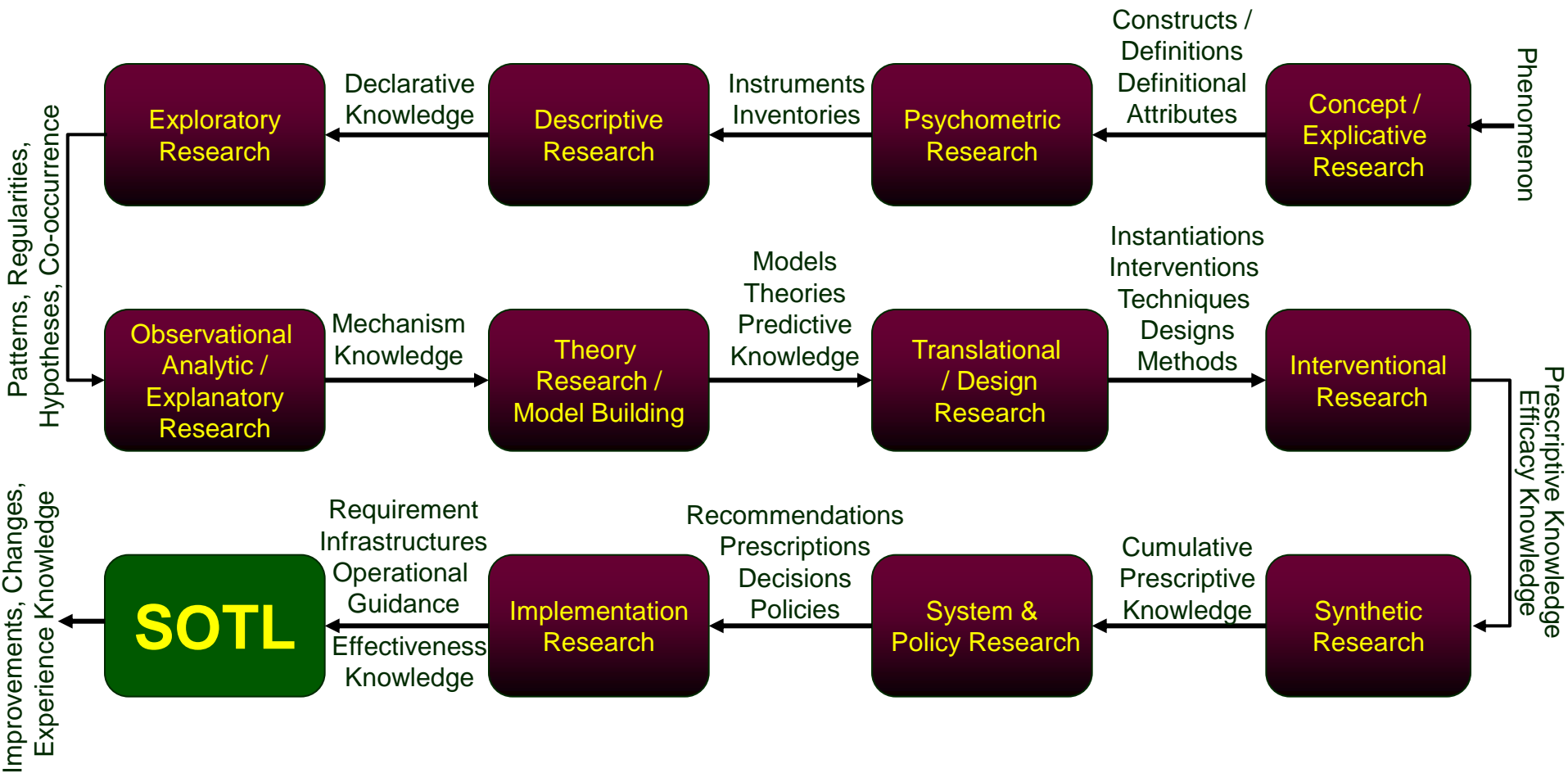
- ✗ Replicating the Best Practice in Pathology Education (SAT)
- ✗ Performing UME Educational Reform in SBUMS Based on Current Best Evidences (SAT)
- ✓ Publishing The Results of UME Educational Reform in SBUMS as a Experience Book (SOTL)

Educational Research



- ❖ **Educational research** matches up quite well with Boyer's scholarship of discovery.
- ❖ In educational research, generating new knowledge and reproducible results using research methodologies, theoretical frameworks, empirical studies, and control groups are the main focus

Scholarship of Teaching and Learning



Differentiating SOTL from Educational Research



- ✗ Published Results of A Survey on Medical Students about Attitude Toward PBL (Ed. Res.)

Differentiating SOTL from Educational Research



- ✗ Published Results of A Survey on Medical Students about Attitude Toward PBL (Ed. Res.)
- ✗ Published Results of An Interventional Research To Study Effectiveness of PBL Compare To Lecture (Ed. Res.)

Differentiating SOTL from Educational Research



- ✗ Published Results of A Survey on Medical Students about Attitude Toward PBL (Ed. Res.)
- ✗ Published Results of An Interventional Research To Study Effectiveness of PBL Compare To Lecture (Ed. Res.)
- ✓ Published Results of An Action Research About Customized Implementation of A PBL Curriculum (SOTL)



Enter ↵

Thank You !

Any Question ?