

Scientific Writing

Writing High Impact Papers

Module 3

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Module 1: Literary Genre

Module 2: Structure 1: *Abstract*

Module 3: Structure 2: *Introduction*

Module 4: Structure 3: *Results and Discussion, Conclusion*

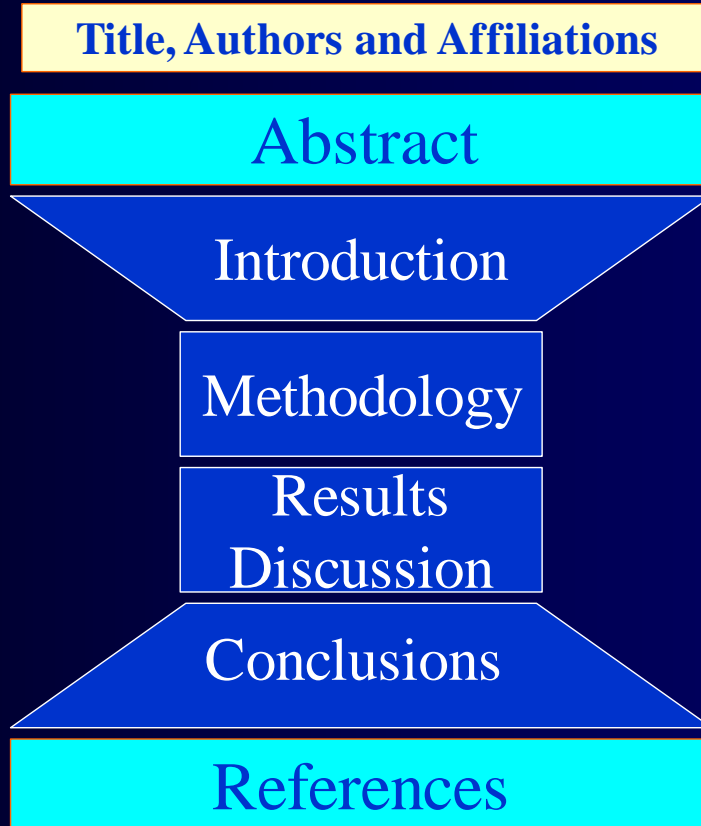
Module 5: Style, Language 1: Complexity Problems 1

Module 6: Language 2: Complexity Problems 2, Rhythm

Module 7: Language 3: *Plain English and Topic Sentences*

Module 8: Manuscript Submission, The Editorial Process

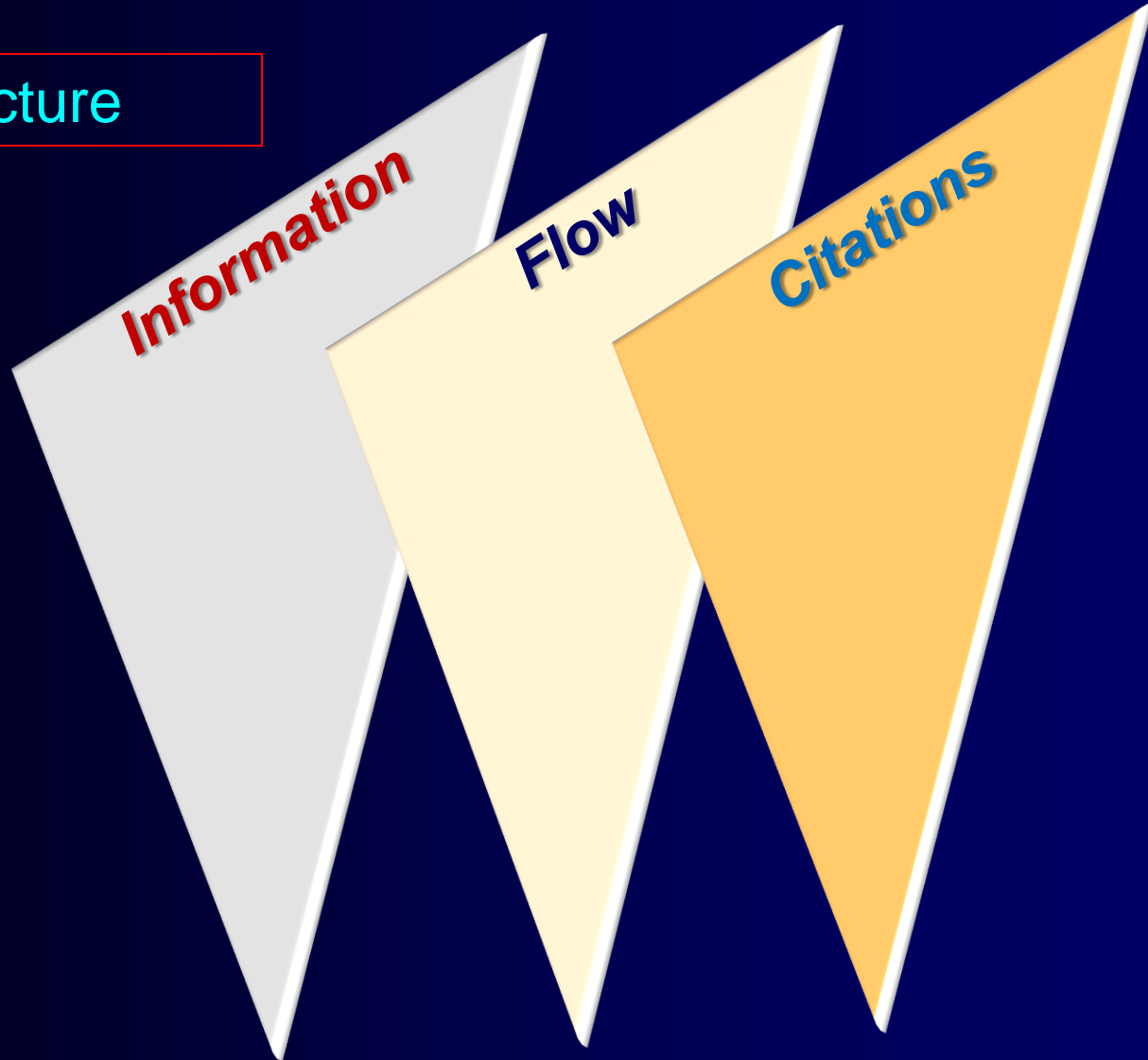
Module 3



Adapted from: Hill et al., Teaching ESL students to read and write experimental papers, TESOL Quarterly, 16: 333, 1982:

Introduction

3-D Architecture



1. Information

Why is this Area Important?

What has been done
before?

Contextualization
State-of-the-Art

What has not been done ?

Literature Review

Gap

Why is this Study Important?

Hypothesis
Formulation

Purpose

What is presented here?

1. Contextualization

Present the research field and show the importance of the main area,
Make terms and processes familiar.

“The quest for international financial regulation looks into the future of finance by considering both the present and the past. The past, because history matters; institutions and laws are creatures of their times [In the words of Jorge Santayana, ‘those who cannot remember the past are condemned to repeat it’]. Economists refer to this as path dependency. The present, because the issues surrounding banking and financial reform are no longer only the domain of the specialist: after the financial crisis, they have come to the forefront of economic and policy debate.....”

Journal of International Economic Law, 2014, 17, 787–805, 2014

1. Contextualization

Present the research field and show the importance of the main area,
Make terms and processes familiar.

“The adoption of project driven approaches across different sectors and industries and economies is steadily increasing and is likely to continue (Linde & Linderoth, 2006; Winter et al., 2006a; Nocker, 2006). The trend has led institutions such as the Project Management Institute (PMI) to promote certification and issue standards to guide Project Management (PM) practice (Hodgson, 2002; Winter et al., 2006a). Projects are perceived to be a popular vehicle for delivering organisations’ objectives.”

The Electronic Journal on Information Systems in Developing Countries, EJISDC (2013) 58, 7, 1-32.

2. State the Gap

Open Questions, Restrictions and Limitations

“Rammsayer and Altenmüller (2006) compared performance of musicians and non-musicians on perceptual auditory temporal tasks and revealed superior performance of the musicians group on rhythm perception, auditory fusion and temporal discrimination tasks. By contrast, no significant difference in a temporal generalization task was found between the two groups. The authors relate this to the fact that the generalization task requires the storage of the reference interval in long-term memory: because the underlying process is not automatic they assume that temporal judgements are less sensitive to musical training (Rammsayer & Altenmüller, 2006). However other studies have shown superior performance of musicians in memory tasks (e.g. Wallentin, Nielsen, FriisOlivarius, Vusst, & Vuust, 2010). Furthermore, studies have shown superior temporal accuracy of musicians on perceptual rhythm tasks (Geiser, Ziegler, Jäncke, & Meyer, 2009; Jones & Yee, 1997; Ramm sayer, Buttkus, & Altenmüller, 2012) indicating that musicians, as experts in the domain, have developed superior skills in rhythm perception..

Journal of New Music Research, 2015, Vol. 44, No. 1, 3–10,

2. State the Gap

Open Questions, Restrictions and Limitations

“One common drawback of the full scan MS approach is the lower selectivity caused by higher background or interferences as compared to that seen in the SRM approach. Recently, there have been significant advances in the capabilities of high-resolution mass spectrometry (HR-MS) instrumentation [11,12]. HR-MS can provide additional advantages in resolving each isotopic ion from the background so that higher selectivity can be achieved.

Anal. Chem., 2011, 83 (23), pp 8937–8944

2. State the Gap

Open Questions, Restrictions and Limitations

The complexity of terrain guarding **has been an open problem of interest since 1995**, when an NP-completeness proof was proposed but never completed by Chen, Estivill-Castro, and Urrutia [2]. They described vertex and clause gadgets and suggested that they could be put together along the lines of Lee and Lin's reduction for guarding polygons [13].

SIAM J. Comput. 40, 1316, 2011

3. State the purpose of the paper

In the rhythm span task subjects are asked to make same/different judgments after hearing two rhythm sequences belonging to one trial. The sequences of the rhythm span task increase and decrease in length according to the participants' performance and therefore the task difficulty adapts to individual demands and memory limits, and measures rhythm memory capacity (i.e. how many rhythm elements and what length of rhythm sequences people can hold in memory). The present study compares performance on this task between two groups (non-musically trained people and highly trained musicians) to see whether musical training influences performance.....

Journal of New Music Research, 2015, Vol. 44, No. 1, 3–10,

3. State the purpose of the paper

In this paper, we explore this question empirically. We first describe a hypothetical self-dealing transaction between two firms controlled by the same person that can in principle be used to improperly enrich this person. We then ask attorneys from Lex Mundi law firms in 102 countries to describe in detail how each country's legal system regulates this transaction. (Lex Mundi is an association of international law firms with members in 108 countries.)

Journal of Financial Economics 88 (2008) 430–465

3. State the purpose of the paper

The aim of this paper is to identify the availability and use of information at the competitive bidding stage. For this, an interview study with industrialists from different sectors was conducted. The related literature in contract bidding including the bidding process, contract conditions and typical payment methods is described in Section 2. Sections 3 and 4 describe the interview study and its results.

Journal of Manufacturing Technology Management 24, 2013 pp. 976-997

2. Flow

Structure

Information in the text flows from General to Specific, arriving at purpose.



General

Your Field

Contextualization

Sumarizing Previous
Research

Purpose

Specific

Your work

3. Citations

John M. Swales, Genre Analysis: English in Academics and Research Settings, Cambridge University Press, 1990.

Patwari N. et al, IEEE Signal Processing Magazine, 2005, p 54

Rubner et al., *Langmuir* **2004**, 20, 1362.

Lowman et al., *Langmuir* 2004, 20, 9791-9795

Borges et al., International Journal of Information Technology & Decision Making, 9, 2010, 547.

Urselmann, et al., IEEE Transactions on Evolutionary Computation, 15, 2011, 659

Olek et al., *Nano Lett.*, Vol. 4, 1889, (2004)

Yoon et al., International Journal of Plasticity 27 (2011) 1165

Podsiadlo et al., Nano Letters, 2008 , 8, 1762

Butcher et al., Human–Computer Interaction, 26, 2011,123.

King et al., SIAM J. Comput. 40, 1316, 2011

Prof. Zucolotto as a Scientific Editor

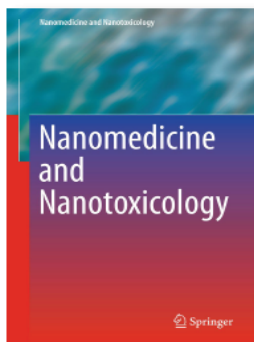
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